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1968 DATA TABULATIONS AND SUMMARIES

CINCINNATI

Continuous Air Monitoring Projects

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Consumer Protection and Environmental Health Service

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Hourly average concentrations of six gaseous pollutants (carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidants), and 2-hour measurements of soiling index levels are tabulated. A brief summary of monthly means and maximums and graphs of seasonal diurnal patterns of gaseous pollutants are included. Annual frequency distributions of the data pertaining to gases and soiling index are tabulated for Cincinnati, and for Chicago, Denver, Philadelphia, St. Louis, and Washington, D. C.

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Nitrogen dioxide
Sulfur dioxide
Hydrocarbons
Oxidizers
Aerosols
Concentration (composition)
Periodic variations
Arithmetic mean
Seasonal variations
Diurnal variations
Frequency distribution
Experimental data
Environmental surveys
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NATIONAL AIR SURVEILLANCE NETWORKS
CINCINNATI

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Public Health Service
Consumer Protection and Environmental Health Service
National Air Pollution Control Administration
Division of Air Quality and Emission Data
Raleigh, North Carolina
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PREFACE

One of the Continuous Air Monitoring Projects of the National Air Surveillance Networks is to routinely operate continuous monitoring stations in six major cities. The data tabulations in this report consist of hourly average concentrations of six gaseous pollutants (carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidants), and 2-hour measurements of soiling index levels in ~~Chicago~~ Cincinnati during 1968. A brief summary of monthly means and maximums and graphs of seasonal diurnal patterns of gaseous pollutants at the ~~Chicago~~ Cincinnati station are included. Annual frequency distributions of the data pertaining to gases and soiling index are presented for all six CAMP stations.

Summaries of 1968 data for Chicago, Denver, Philadelphia, St. Louis, and Washington, D.C. are available from the National Air Pollution Control Administration. Similar data summaries have been published, along with various analyses and interpretative material, for previous years' operations.

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SECTION 1.
SUMMARY OF MONTHLY MEANS AND MAXIMUMS AND FREQUENCY DISTRIBUTIONS OF POLLUTANT CONCENTRATIONS

TABLE 1-1 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR CARBON MONOXIDE

CINCINNATI 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	24	5.7	8.	25	14.	16	8	44.	13*	1125
FEB.	29	5.9	11.	6	18.	6	7	30.	6	750
MARCH	27	5.7	12.	3#	16.	2*	19	43.	30*	2300
APRIL	30	5.4	7.	16	12.	6#	23	23.	6#	2245
MAY	12	A	16.	7	31.	7	7	39.	7	725
JUNE	26	4.7	10.	7	19.	7	7	20.	6	720
JULY	20	7.7	32.	13*	42.	12	17	44.	12	1700
AUG.	20	3.5	6.	5	12.	24*	13	17.	1	1900
SEPT.	0	A								
OCT.	14	A	8.	19*	27.	31	18	43.	19*	2150
NOV.	29	5.5	7.	14	23.	22	19	45.	17#	2120
DEC.	8	A	8.	4	13.	6	20	21.	6	2015
YEAR	239	5.6	32.		42.			45.		

TABLE 1-2 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR NITRIC OXIDE

CINCINNATI 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	2	A	0.04	5	0.08	5	8	0.09	5	825
FEB.	7	A	0.26	26	0.62	26	8	0.66	26	815
MARCH	20	0.077	0.25	18	0.72	18	8	0.77	18	835
APRIL	19	0.069	0.26	28#	0.52	16	7	0.66	16	740
MAY	17	0.063	0.17	13	0.75	13	7	1.01	13	710
JUNE	28	0.061	0.19	7	0.86	4	7	1.15	4	745
JULY	13	A	0.11	12	0.36	12	7	0.47	13*	45
AUG.	5	A	0.11	30	0.40	30	7	0.49	30	700
SEPT.	7	A	0.08	21*	0.23	21*	7	0.26	21*	750
OCT.	13	A	0.34	31	1.02	31	20	1.26	31	2030
NOV.	20	0.052	0.18	5	0.39	10#	23	0.49	10#	2340
DEC.	0	A								
YEAR	151	0.065	0.34		1.02			1.26		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY

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TABLE 1-3 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR NITROGEN DIOXIDE

CINCINNATI 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	28	0.027	0.04	18	0.06	18	10	0.07	13#	1555
FEB.	27	0.024	0.05	6	0.12	6	12	0.13	6	1205
MARCH	31	0.032	0.05	25	0.08	17#	10	0.09	17#	340
APRIL	30	0.031	0.05	29	0.09	29	21	0.09	29	205
MAY	30	0.027	0.05	10	0.07	22	8	0.11	23	410
JUNE	29	0.028	0.04	7	0.12	7	8	0.15	7	905
JULY	19	0.048	0.10	15	0.56	15	17	1.19	15	1730
AUG.	30	0.031	0.05	30	0.10	22	16	0.12	22	1605
SEPT.	16	A	0.06	14#	0.19	14#	9	0.23	14#	950
OCT.	22	0.040	0.07	20#	0.11	20#	20	0.16	17	830
NOV.	27	0.037	0.06	23#	0.08	1	20	0.09	1	1950
DEC.	13	A	0.05	3	0.10	3	16	0.11	3	1605
YEAR	302	0.032	0.10		0.56			1.19		

TABLE 1-4 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR SULFUR DIOXIDE

CINCINNATI 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	0	A								
FEB.	18	0.010	0.03	14	0.10	26	14	0.20	26	1330
MARCH	31	0.010	0.05	25	0.30	8	22	1.49	29	930
APRIL	25	0.026	0.08	4	0.38	4	10	0.56	4	1030
MAY	19	0.034	0.08	23	0.17	20	9	0.19	8	1915
JUNE	28	0.008	0.03	5	0.26	5	9	0.49	5	930
JULY	26	0.011	0.03	30	0.14	18	21	0.17	18	2040
AUG.	30	0.022	0.05	21	0.15	12	8	0.29	12	900
SEPT.	30	0.016	0.06	26	0.30	26	9	0.34	26	915
OCT.	29	0.024	0.05	7	0.13	11	10	0.20	11	1045
NOV.	30	0.019	0.05	5	0.11	2#	16	0.38	2#	1445
DEC.	31	0.014	0.04	10	0.15	16	17	0.41	16	2250
YEAR	297	0.017	0.08		0.38			1.49		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT DATA
: INDICATES SATURDAY
: INDICATES SUNDAY

TABLE 1-5 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR HYDROCARBON

CINCINNATI 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	16	A	4.6	18	14.5	18	11	18.1	18	1125
FEB.	18	2.56	5.0	24*	8.0	24*	8	13.7	27	120
MARCH	29	2.56	5.1	18	8.9	17#	23	15.2	8	420
APRIL	30	2.48	3.6	10	7.6	10	4	13.1	6*	2350
MAY	31	2.27	3.4	22	8.9	13	6	10.8	13	640
JUNE	30	2.50	4.6	7	10.5	7	7	17.3	6	400
JULY	23	2.47	4.2	12	7.7	12	7	13.8	12	120
AUG.	29	2.48	3.7	23	6.2	31*	2	8.7	23	2240
SEPT.	24	2.77	4.3	13	7.9	13	6	8.0	13	610
OCT.	28	3.22	5.6	31	13.4	31	20	17.5	13#	1920
NOV.	28	2.69	4.6	5	9.1	22	19	14.1	22	2005
DEC.	29	2.32	3.4	17	6.2	17	6	9.4	17	510
YEAR	315	2.59	5.6		14.5			18.1		

TABLE 1-6 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR TOTAL OXIDANT

CINCINNATI 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	2	A	0.02	2	0.02	3	0	0.03	2	1540
FEB.	7	A	0.02	20	0.05	21	15	0.06	24*	840
MARCH	14	A	0.04	30*	0.07	30*	15	0.08	30*	1435
APRIL	12	A	0.04	28#	0.09	28#	15	0.15	29	1330
MAY	13	A	0.04	1	0.10	1	16	0.15	14	840
JUNE	19	0.027	0.05	7	0.13	7	10	0.15	7	955
JULY	12	A	0.04	5	0.09	5	13	0.10	5	1305
AUG.	4	A	0.05	29	0.08	29	14	0.09	29	1150
SEPT.	6	A	0.03	7*	0.06	24	13	0.06	7*	1450
OCT.	10	A	0.05	31	0.14	31	20	0.19	31	2000
NOV.	16	A	0.03	1	0.06	1	14	0.09	10#	1935
DEC.	0	A								
YEAR	115	0.023	0.05		0.14			0.19		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY

Table 1-7. FREQUENCY DISTRIBUTION OF CONCENTRATION OF GASEOUS ATMOSPHERIC POLLUTANTS
(5-minute values, concentration in parts per million)

City/pollutant	Valid data, %	Minimum	Frequency distribution, percent								Maximum	Arithmetic mean
			10	30	50	70	90	95	98	99		
CHICAGO												
CARBON MONOXIDE	65	0	1	3	5	7	13	16	20	24	57	6.2
NITRIC OXIDE	79	.00	.01	.03	.06	.09	.15	.18	.23	.23	.66	.071
NITROGEN DIOXIDE	78	.00	.03	.04	.05	.05	.07	.08	.10	.11	.29	.048
SULFUR DIOXIDE	80	.00	.01	.04	.08	.14	.28	.36	.48	.57	1.33	.117
HYDROCARBON	75	.0	1.9	2.3	2.7	3.2	4.1	4.7	5.6	6.6	17.3	2.90
TOTAL OXIDANT	55	.00	.00	.01	.02	.03	.05	.07	.09	.10	.47	.023
CINCINNATI												
CARBON MONOXIDE	57	0	3	4	5	6	9	11	15	31	45	5.6
NITRIC OXIDE	34	.00	.00	.01	.03	.06	.18	.27	.38	.46	1.26	.064
NITROGEN DIOXIDE	73	.00	.02	.02	.03	.04	.05	.06	.07	.08	1.19	.031
SULFUR DIOXIDE	76	.00	.00	.00	.01	.02	.04	.06	.08	.10	1.49	.017
HYDROCARBON	81	.5	1.7	2.0	2.2	2.6	4.0	5.1	6.5	7.4	18.1	2.58
TOTAL OXIDANT	26	.00	.00	.01	.02	.03	.05	.06	.08	.10	.19	.022
DENVER												
CARBON MONOXIDE	71	0	1	3	4	6	11	14	19	24	90	5.3
NITRIC OXIDE	62	.00	.00	.01	.02	.04	.10	.14	.21	.26	.68	.036
NITROGEN DIOXIDE	71	.00	.01	.02	.03	.04	.06	.07	.09	.11	.38	.036
SULFUR DIOXIDE	60	.00	.00	.00	.01	.02	.03	.04	.06	.08	1.81	.012
HYDROCARBON	71	.0	1.7	2.1	2.5	3.1	4.4	5.4	7.0	8.5	18.7	2.89
TOTAL OXIDANT	48	.00	.00	.01	.03	.04	.06	.07	.09	.11	.43	.029
PHILADELPHIA												
CARBON MONIXIDE	48	0	3	6	8	10	15	18	22	25	49	8.5
NITRIC OXIDE	70	.00	.00	.02	.03	.05	.12	.18	.28	.41	1.68	.054
NITROGEN DIOXIDE	77	.00	.02	.03	.03	.04	.07	.08	.10	.12	.22	.039
SULFUR DIOXIDE	89	.00	.01	.03	.05	.08	.19	.28	.40	.48	1.10	.080
HYDROCARBON	60	.0	1.3	1.6	1.9	2.3	3.3	4.1	5.1	5.9	13.3	2.14
TOTAL OXIDANT	42	.00	.00	.01	.02	.03	.05	.06	.08	.10	.31	.022
ST. LOUIS												
CARBON MONOXIDE	86	0	2	3	4	5	8	10	13	16	47	4.6
NITRIC OXIDE	66	.00	.00	.01	.02	.04	.08	.11	.16	.20	.44	.032
NITROGEN DIOXIDE	81	.00	.01	.02	.02	.03	.04	.05	.06	.07	.20	.023
SULFUR DIOXIDE	90	.00	.00	.00	.01	.03	.07	.11	.18	.23	1.33	.028
HYDROCARBON	89	.4	2.0	2.6	3.1	3.7	5.0	6.0	8.0	9.4	17.1	3.40
TOTAL OXIDANT	48	.00	.00	.01	.02	.03	.04	.05	.07	.08	.37	.022
WASHINGTON D.C.												
CARBON MONOXIDE	82	0	1	2	3	4	6	8	11	14	59	3.3
NITRIC OXIDE	71	.00	.00	.01	.01	.03	.08	.13	.23	.33	.76	.035
NITROGEN DIOXIDE	64	.00	.02	.03	.04	.05	.08	.09	.11	.12	.26	.047
SULFUR DIOXIDE	74	.00	.00	.00	.02	.05	.10	.13	.17	.20	.47	.036
HYDROCARBON	82	.0	1.6	1.8	2.0	2.3	3.0	3.6	4.9	6.0	18.6	2.23
TOTAL OXIDANT	59	.00	.00	.01	.02	.03	.06	.08	.10	.12	.29	.027

Table 1-8. FREQUENCY DISTRIBUTION OF SOILING INDEX
(2-hour measurements, concentration in COHS/1000 lineal feet)

(CONCENTRATION IN COHS/1000 LIN. FT.)

CITY	VALID DATA*	MIN	FREQUENCY DISTRIBUTION-PERCENT 10	30	50	70	90	95	98	99	MAX	ARITH MEAN
CHICAGO	100	.0	.5	.9	1.2	1.6	2.3	2.8	3.6	4.1	8.2	1.35
CINCINNATI	95	.0	.2	.5	.7	1.0	1.7	2.2	2.8	3.3	5.6	.87
PHILADELPHIA	100	.0	.3	.6	.8	1.1	1.8	2.2	2.9	3.6	5.6	.95
WASHINGTON, D C	90	.0	.4	.6	.9	1.2	2.0	2.5	3.1	3.6	6.6	1.06
ST LOUIS	80	.0	.2	.4	.6	.8	1.4	1.8	2.3	2.7	4.7	.73
DENVER	75	.0	.2	.4	.6	.9	1.7	2.2	2.9	3.3	6.8	.80

* REPORTED TO NEAREST FIVE PERCENT

VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

SECTION 2.
CINCINNATI SEASONAL DIURNAL PATTERNS

CINCINNATI SEASONAL DIURNAL PATTERNS

Figures 1 through 6 are graphs showing the seasonal diurnal patterns for carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidants, respectively. Each figure contains four curves, one representing each season, as follows: long-dashed line for summer, short-dashed line for autumn, mixed-dashed line for winter, and solid line for spring.

Each curve represents a composite of the approximately 90 daily patterns in each season, plotted by computer using 15-minute averages derived from the basic 5-minute measurements. Dotted lines indicate portions of the curve for which insufficient data are available to provide a valid seasonal average.

The seasons are defined as follows: Winter consists of December, 1967, and January and February, 1968; spring consists of March, April, May; summer consists of June, July, and August; and autumn consists of September, October and November, 1968.

It should be noted that CAMP stations operate on a Standard Time basis. Consequently, during the seasons of Daylight Savings Time, 1-hour shifts may be noted in diurnal patterns of certain pollutants because of a shift in the patterns of human activity that generates these pollutants.

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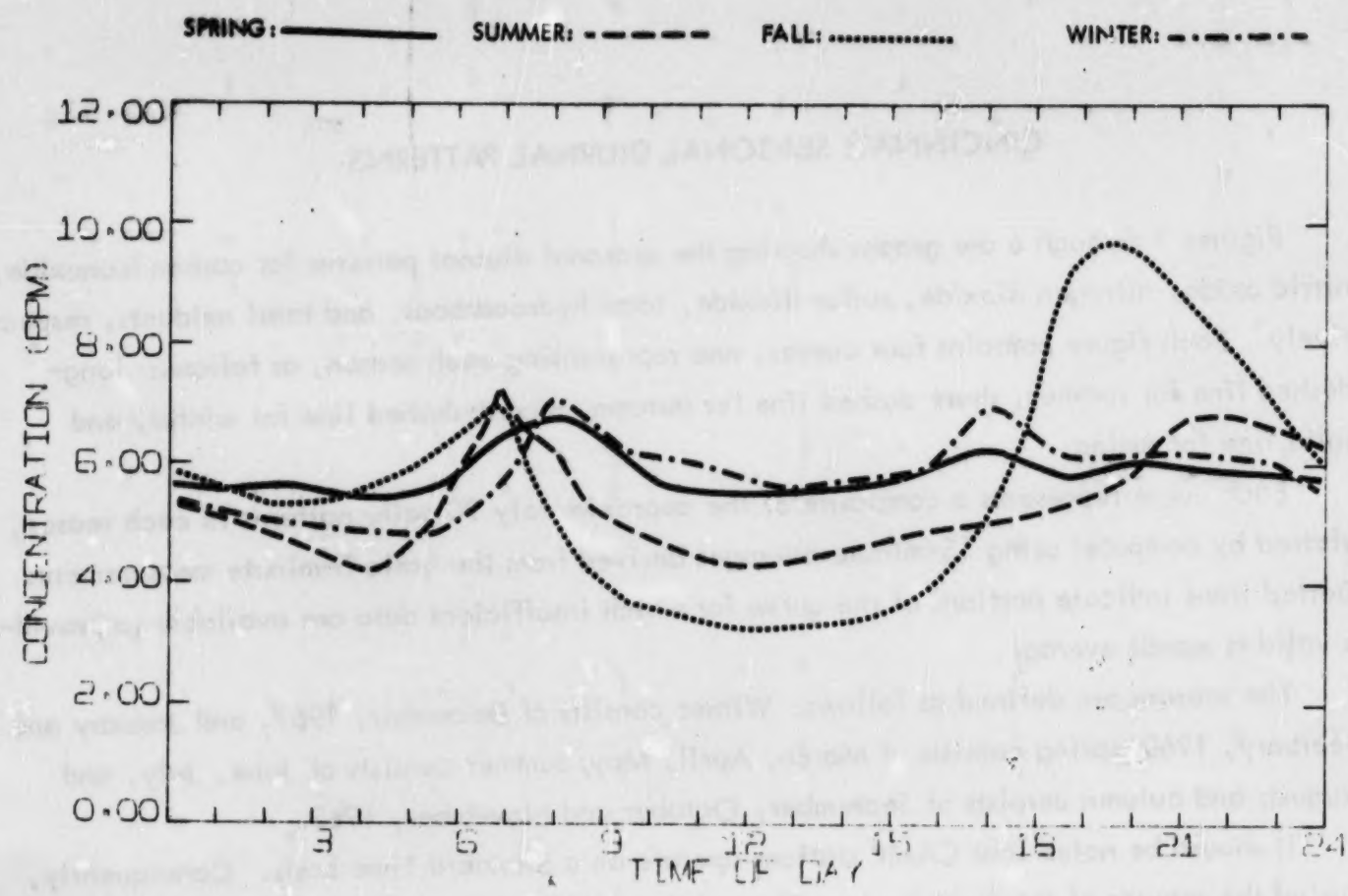


FIGURE 1. SEASONAL DIURNAL PATTERNS OF CARBON MONOXIDE CONCENTRATIONS

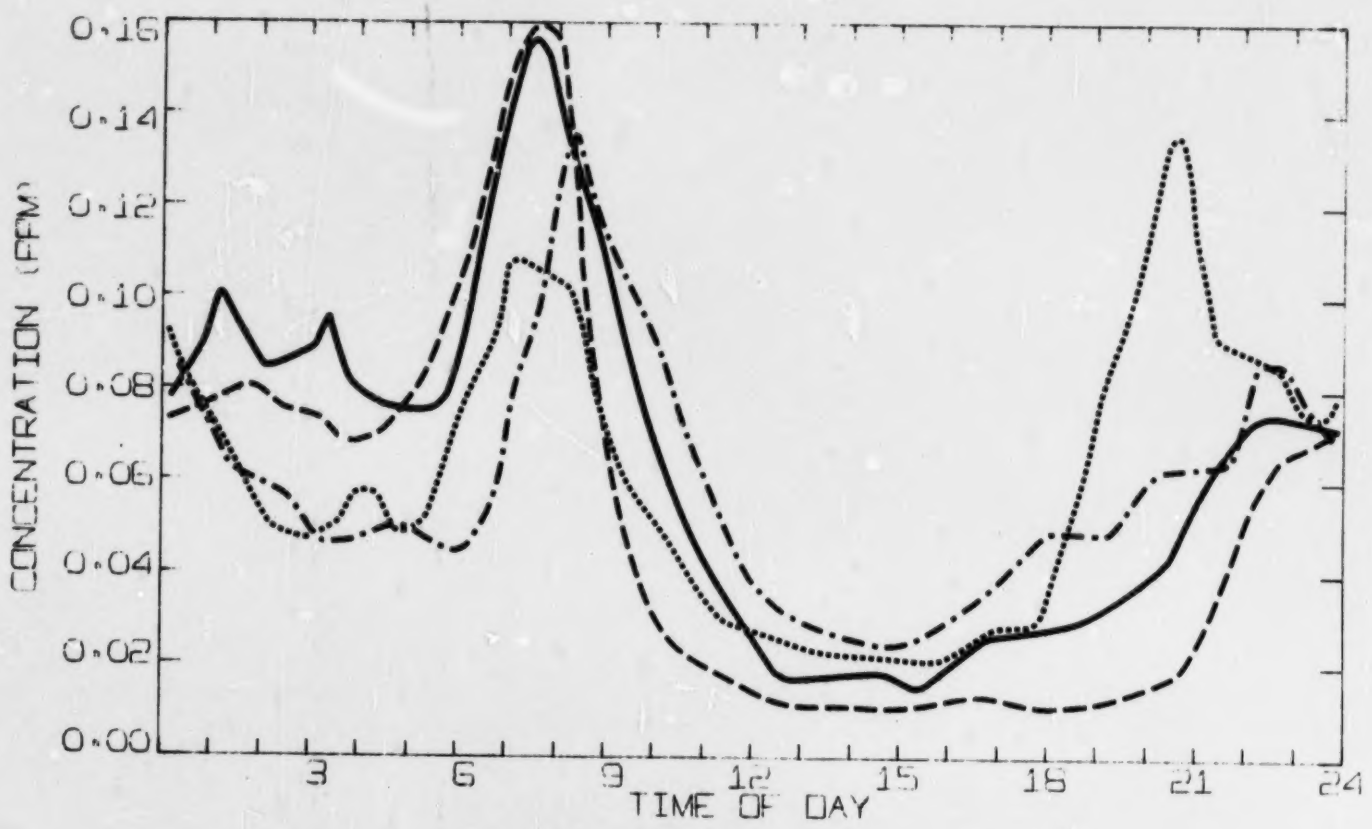


FIGURE 2. SEASONAL DIURNAL PATTERNS OF NITRIC OXIDE CONCENTRATIONS

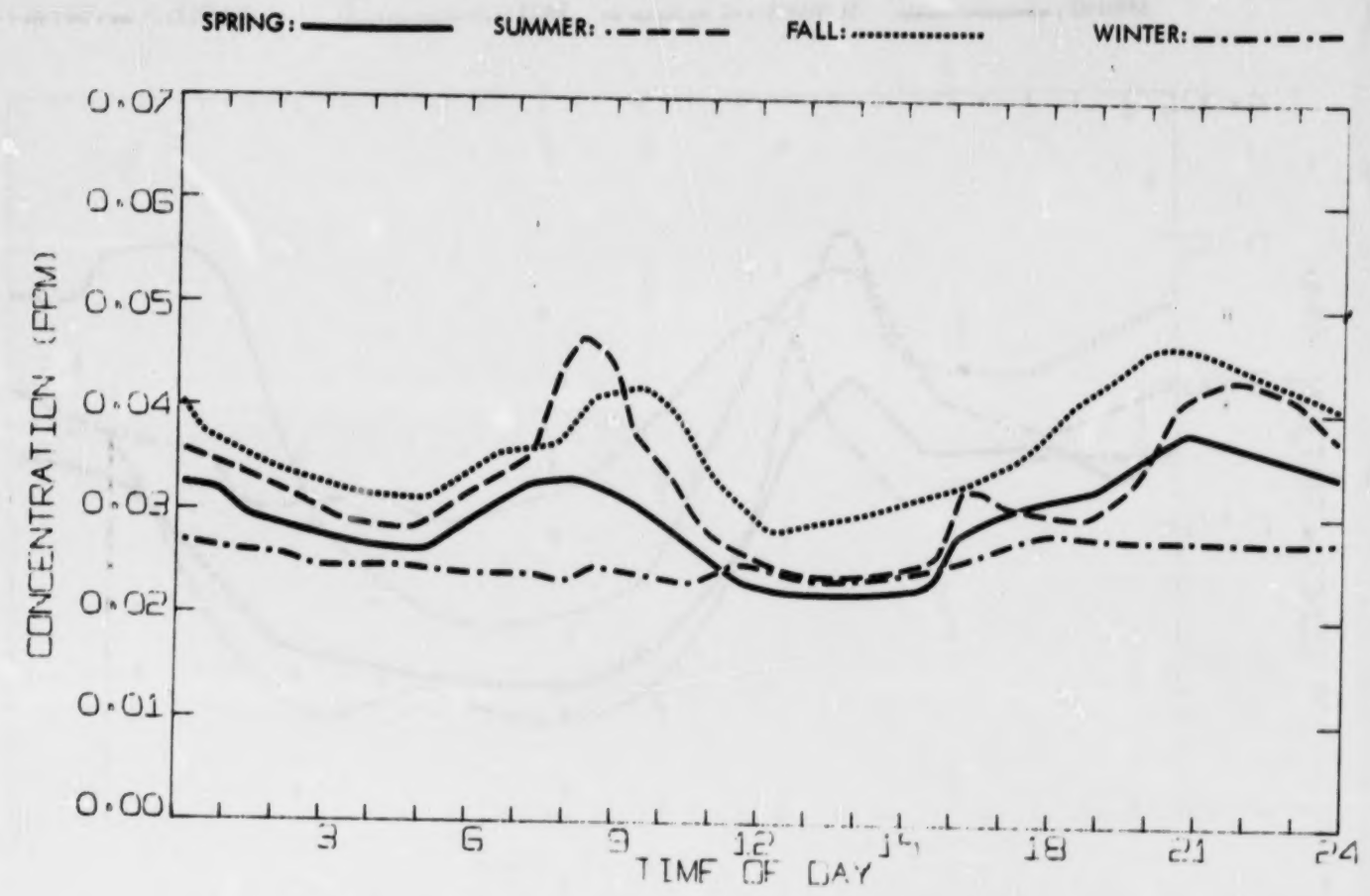


FIGURE 3. SEASONAL DIURNAL PATTERNS OF NITROGEN DIOXIDE CONCENTRATIONS

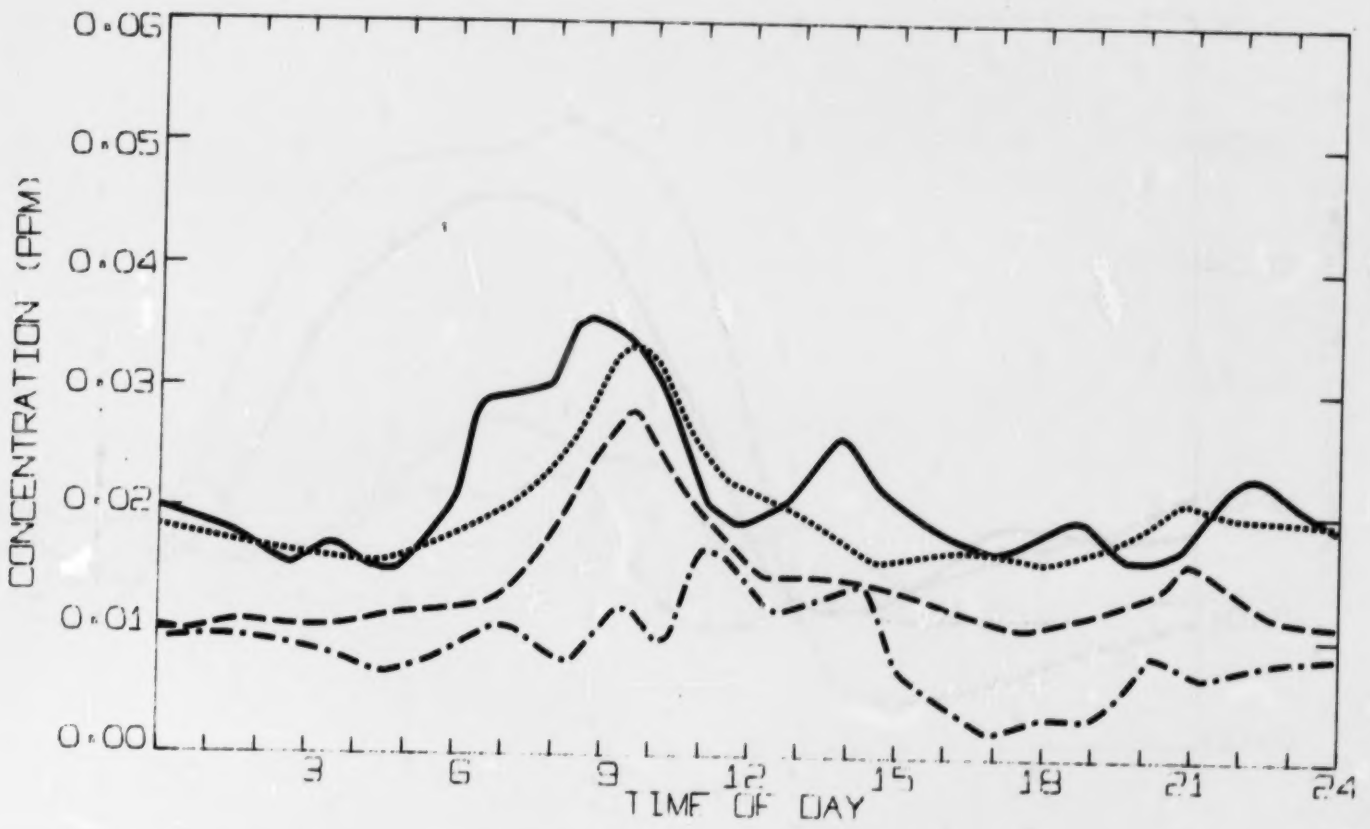


FIGURE 4. SEASONAL DIURNAL PATTERNS OF SULFUR DIOXIDE CONCENTRATIONS

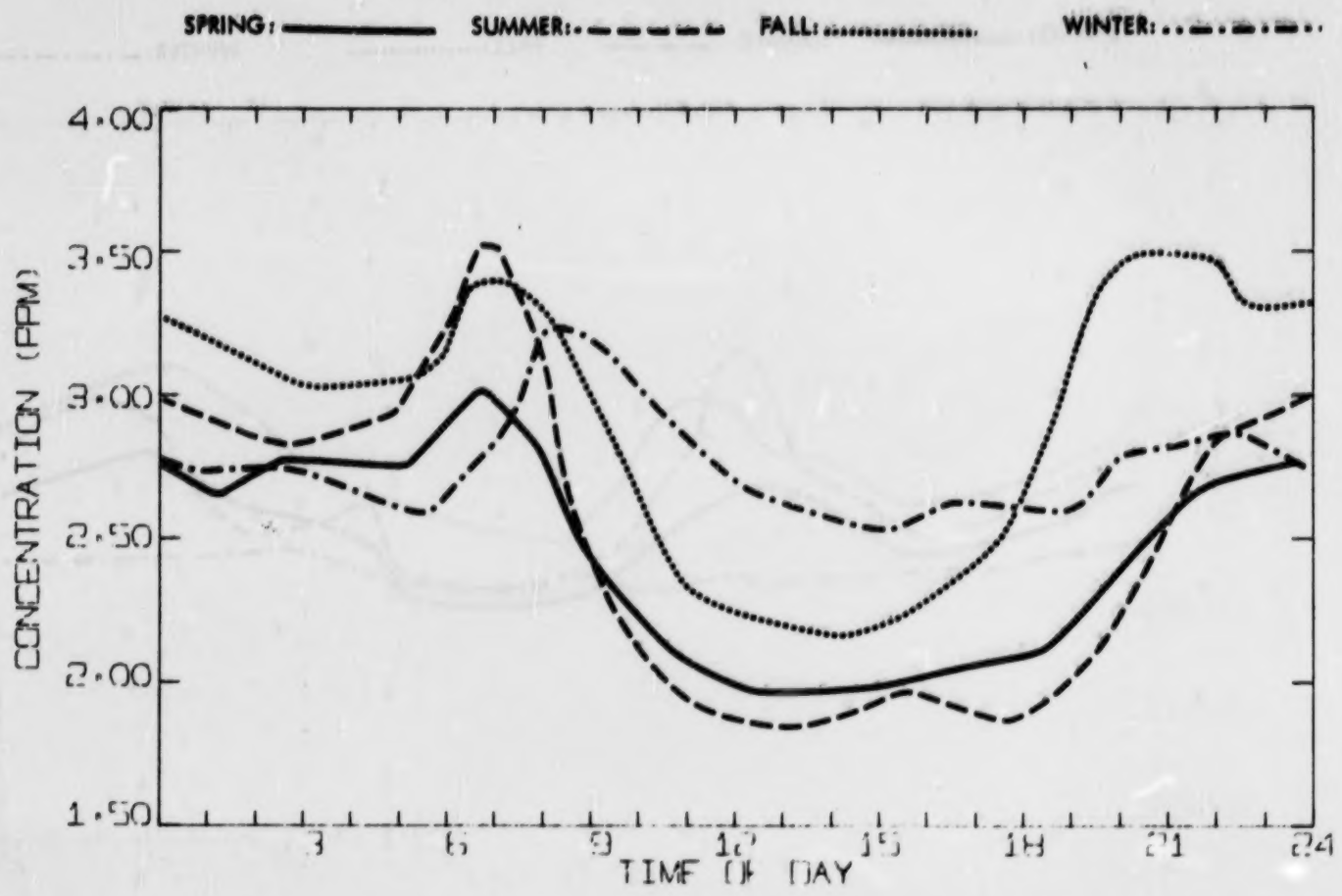


FIGURE 5. SEASONAL DIURNAL PATTERNS OF HYDROCARBON CONCENTRATIONS

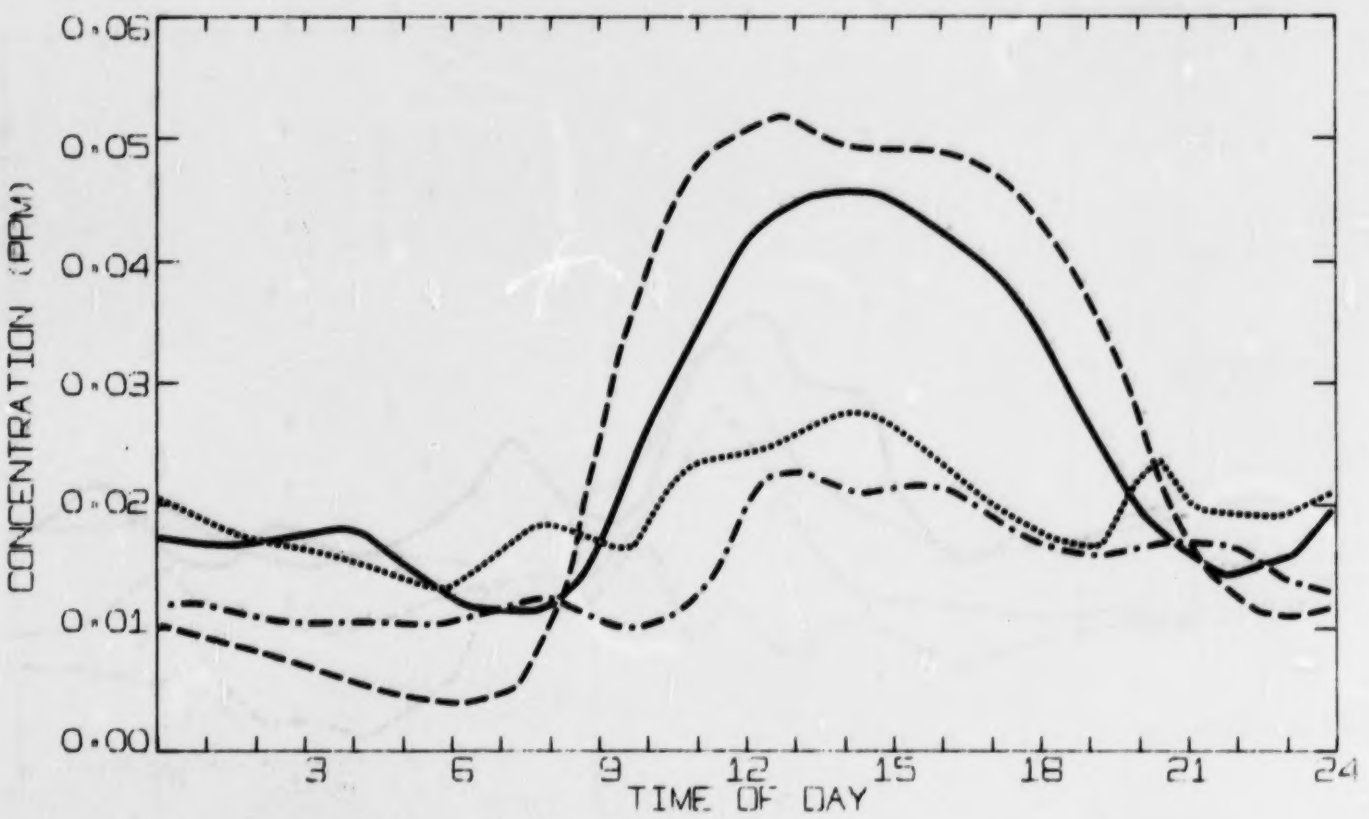
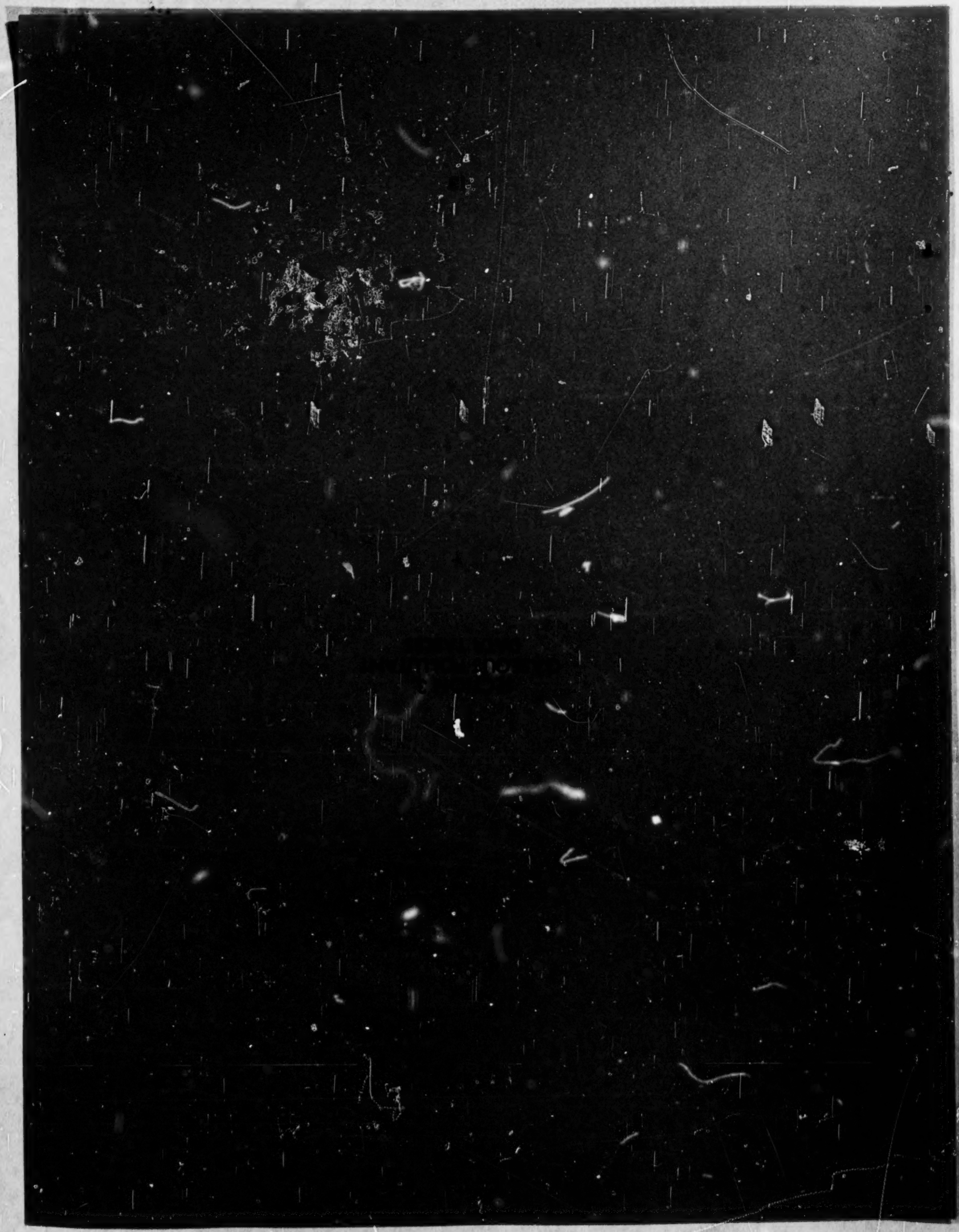


FIGURE 6. SEASONAL DIURNAL PATTERNS OF TOTAL OXIDANT CONCENTRATIONS



GASEOUS POLLUTANT DATA TABLES

Data tables 3-1 through 3-72 present hourly average concentrations by month for the gaseous pollutants. Values in these tables are the arithmetic means of the 5-minute values in the clock hour indicated. An hourly average is not calculated if fewer than seven 5-minute values during the hour were valid. Similarly, if a calendar day had fewer than 13 valid data hours, it is considered an invalid data day, and the entire row of averages for the day is deleted. The reason for this procedure, which results in the loss of a few valid hourly averages, is that the data that are lost are usually concentrated at the beginning or end of the day. Since the pollutant concentrations show considerable diurnal variation, the inclusion of such data would introduce a definite bias into the monthly mean concentrations.

The first summary line (titled MEAN) at the bottom of the tables contains the arithmetic means of the hourly averages, and hence represents the pattern of diurnal variation for the month. Again by the same validity criterion, this average is not calculated unless 16 or more hourly averages are present. The second and third summary lines are the number of and maximum of the hourly averages in the column.

The first summary column (titled DAILY MEAN) at the right of the tables is the arithmetic mean* of the 13 or more hourly averages comprising the row, and the second is the number of such valid hourly averages. The third summary column, however, is not the maximum hourly average for the day, but the maximum 5-minute value included in the hours of valid data during the day.

Four summary figures appear in the lower right corner. The upper left is the monthly average, an arithmetic mean, and appears only if 16 or more days were valid. The center number is the total number of valid hours included in the table, which offers some basis for judging the representativeness of the monthly average. The lower left summary number is the maximum daily average from the column above. The lower right number is the maximum 5-minute value from the column above.

*The summary calculations are performed before the hourly averages are rounded.

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Table 3-1

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CINCINNATI, OHIO
CARBON MONOXIDE
JAN. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	4		5	5	4	4	4	3	4	3		7	4	4	5	5	5	5	5	5	5	5	5	5	4.4	22	8
2	5	4	4	4	4	4	4	5	5	6	5	5	6	5	6	8	9	8	6	6	5	5	5	5	5.6	24	12
3	5	4	4	4	4	4	4	5	5	6	5	5	5	5	5	4	5	4	4	3	3	3	3	3	4.1	24	10
4	3	3	3	2	2	2	3	3	3	3		5	5	5	5	5	6	5	5	5	5	5	5	5	4.0	23	8
5	5	5	5	5	5	5	5	7	8	7	7	6	6	6	6	7	8	8	7	6	6	7	6	6	6.2	24	10
6*	6	6	6	6	6	6	6	6	7	6	6	6	7	7	6	6	6	7	7	6	6	5	5	5	6.0	24	9
7*	5	5	5	5	5	5	5	5	5	5	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5.1	24	8
8	5	5	5	5	5	5	6	7	8	6	6	6	6	5	5	6	7	7	5	5	5	5	5	4	5.6	24	11
9	4	4	4	4	4	5	5	7	7	5	6	8	7	7	7	6	7	6	7	6	5	5	6	6	5.8	24	11
10	6	5	5	5	5	5	6	7	6	6	6	6	6	6			6	6	6	6	6	6	6	6	6.0	22	11
11	6	6	6	6	6	6	7	8	7	7	8	7	7	7	7	7	8	8	7	6	6	6	6	6	6.7	24	16
12	6	6	6	6	6	6	6	7	7	8	8	7	7	7	7	8	9	9	7	8	10				7.3	21	15
13*											5	9	6	6	7	7	8	7	6	7	9	7	11	9	7.3	14	44
14*	7	7	8	7	6	5	5	6	6	6	6	6	6	6	6	6	6	7	6	5	5	5	5	5	5.9	24	10
15	5	6	5	5	5	5	6	7	6	5	5	5	6	5	6	7	7	7	6	6	6	6	4	6	5.8	24	13
16	6	6	5	5	6	6			14				5	5	6	6	7	7	7	7	7				6.6	16	15
17																											
18									10	9	6	5	6	5	6	6	7	8	6	7	6	5	6	6	6.5	16	14
19	4	4	4	3	3	4	5	4			3	4	3	4	4	4	6	7	8	7	7	7		5	4.9	21	14
20*	4	4	4	4	4	4	5	4			5	5	6	5	5	6	7	7	7	5	5	5	5	5	5.1	22	19
21*	4	5	5	4	4	4	4	4	5	5	5	5	5	5	5	5	5	6	6	5	5	5	5	5	4.8	24	10
22	5	5	5	4	5	5	4	4	6	6	7	6	7	6	6	7	7	9	9	6	6	6	5	5	5.8	24	15
23	5	5	4	5	4	5	5			5	5	5	5	6	6	6	7	8	6	6	5	6	5	5	5.3	22	12
24	5	5	5	5	5	5	5	4	6	6	7	6	6	6	6	6	7	8	6	6	6	6	6	6	5.8	24	9
25	6	6	6	6	6	6	7	8	12	8	8	10	7	7	8	8	8	8	8	8	6	9	9	10	7.7	24	18
26																											
27*																											
28*																											
29																											
30																											
31																											
MEAN	5	5	5	5	5	5	5	6	7	6	6	6	6	6	6	6	7	7	6	6	6	6	6	6	5.7	534	
NO	22	21	22	22	22	22	21	20	20	20	21	22	24	24	23	23	24	24	24	24	24	22	21	22	7.7		44
MAX	7	7	8	7	6	6	7	8	14	9	8	10	7	7	8	8	9	9	8	8	10	9	11	10			

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

E-1 A

CONTINUOUS AIR MONITORING PROGRAM

Table 3-2

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CONCENTRATION IN PPM
INFRARED ANALYSIS

CINCINNATI, OHIO

CARBON MONOXIDE
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX.
1	5	5	5	5	5	5	5	6	7	6	6	4	5	7	6	6	6	6	6	6	6	5	5	5	6.5	24	12
2	5	5	5	5	5	5	5	6	6	5	5	5	5	5	5	5	5	5	6	6	6	5	5	5	5.5	24	11
3*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	8	6	7	6	5.4	24	19
4*	7	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5	6	5	5	5	5	5	4.9	24	8
5	4	4	4	4	4	4	5	6	6	5			5	6	6	6	7	8	7	7	7	7	7	8	5.7	22	12
6	7	7	7	7	7	7	11	18	13	11	14	15	11			7	8	8	8	15		15	16	13	10.7	21	30
7	9	9	9	8	8	8	10		15	11	6	9	7	6	6	7	9	8	8	7	6	7	6	6	8.1	23	20
8	6	5	5	5	5	5	6	8	8			5	6	6	7	7	8	7	7	6	6	6	6	6	6.2	22	12
9	6	6	6	6	6	6	6	7	7	6	6	7	6	7	7	7	7	6	6	6	6	6	6	6	6.2	24	10
10*	6	6	6	6	6	6	6	7	7	7	T	7	6	6	6	7	6	7	7	6	9	7	6	6	6.5	24	14
11*	7	6	6	6	6	6	6	6	7	7	7	6	6	6	7	6	6	7	7	7	6	6	6	6	6.3	24	9
12	6	6	5	5	5	5	6	7	7	7	8	7	7	5		6	7	5	6	6	6	5	5	5	6.2	22	10
13	5	5	5	5	5	5	6	8	6	6	6	6	7	7	6	6	6	6	6	6	6	7	8	6	6.0	24	17
14	4	5	5	5	5	5	6	6	6	5	5	5	5	5	5	5	6	5	5	5	5	4	4	4	4.9	24	10
15	4	4	4	4	4	4	4	5	5	4	4	4	4	4	4	4	5	5	5	4	5	6	5	6	4.5	24	8
16	6	5	4	4	4	4	4	5	4	4	4	4	4	3		5	6	5	6	5	6	4	5	5	4.6	22	8
17*	4	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	4	3	3	4	4	4	4	3	2.9	24	8
18*	3	3	3	4	3	3	3	3	4	3	3	4	4	5	5	4	5	4	5	4	4	5	5	4	3.9	24	9
19	4	4	4	4	5	4	5	6	6	5	5	5	4	5	5	6	6	6	6	5	5	5	5	4	4.9	24	11
20	5	5	5	5	4	4	6	7	7	6	6	5	5	5	5	6	6	5	6	5	4	4	4	4	4.8	24	11
21	4	4	4	4	4	5	5	7	6	7	5	6	5	6	6	6	6	6	6	5	5	5	5	5	5.2	24	10
22	5	5	5	4	4	4	5	6	6	5	5	5	5	5	5	5	6	5	5	5	5	5	5	5	5.2	24	10
23	5	5	4	4	4	5	6	7	6	5	5	5	4	6	5	5	6	5	5	5	7	7	8	8	5.6	24	12
24*	7	8	6	6	6	6		8	9	9	5	4	4	4	4	4	5	4	4	5	4	5		5	5.7	20	14
25*	4	4	5	4	4	4	3	4	4	4	4	4	3	3	3	3	4	4	5	4	5	4		8	4.0	23	9
26	8	6	6	5	6	6	7			11				4	4		7	8	8	8	10	11	12	14	7.9	18	17
27	10	9	9	9	9	7	8	10	8	8	8	8	7	7	8	8	8	8	8	7	6	6	6	6	7.7	24	13
28	6	6	6	6	6	6	7	8	7	8	8	7	7	7	7	5	8	8	8	8	9	10	10	9	7.4	24	15
29	8	9	9	9	9	10	9	11	11	10	10	10	10	10	11	10	11	10	8	9	11	10	10	11	9.9	24	23
MEAN	6	6	5	5	5	5	6	7	7	6	6	6	6	6	6	6	6	6	6	6	6	7	7	6	5.9		
NO	29	29	29	29	29	29	28	27	27	27	24	27	28	27	26	27	29	29	29	29	28	28	27	29		670	
MAX	10	9	9	9	9	10	11	18	15	11	14	15	11	10	11	10	11	10	9	15	11	15	16	13	10.7		30

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-3

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM

INFRARED ANALYSIS

CARBON MONOXIDE
MARCH 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1	11		12	12	12	12	13	14		10	10	10	11	11	11	11	12	12	12	16	13	11	12	12	11.7	23	22
2*	11	11	11	10	11	11	11	11	10	11	11	10	10	10	10	11	11	12	13	16	15	15	15	14	11.7	24	25
3*	14	14	15	12	11	9	10	10	11	10	11	11	11	11	12	12	13	12	13	14	13	12	13	13	11.9	24	16
4																											
5																											
6											6	5	5	5	5	5	6	6	5	6	5	5	6	6	5.4	14	19
7	5	5	4	4	4	4	4	5	7	5	5	5	5	5	5	6	6	5	5	5	6	6	9	9	5.3	24	13
8	8	7	6	6	5	5	6	8	10	8			4	4	4	6	5	7	6	6	6	5	5	4	5.9	22	13
9*	4	4	4	4	3	3	4	5	4	4	4	4	4	4	5	4	5	5	4	6	7	5	6	9	4.6	24	26
10*	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	3	4	3	3	3.7	24	8
11	3	3	3	3	3	4	4	5	6	4	4	4		3	4	4	5	5	4	4	4	4	4	4	4.0	23	7
12	4	4	4	3	3	4	4	5	6	4	4	4	5	5	5	5	6	5	4	4	3	3	4	3	4.1	24	11
13	3	3	3	3	3	3	3	5	5	4	4	5	4	4	4	5	5	5	4	5	6	6	6	6	4.3	24	10
14	5	5	6	5	5	5	5	7	8	6	7	5	6	5	5	5	6	6	5	5	5	5	4	4	5.4	24	11
15	4	4	4	4	4	4	5	6	6	6		4	5	5	5	5	7	10	10	8	9	7	6	6	5.9	23	16
16*																							11				
17*		7	6	7	6	6	7	8	11	7	6	4	4	5	5	5	5	5	5						6.3	19	30
18		7	7	6	6	7				12		6	5	5		4	5	6	6	6	6	7	10	9	6.6	18	16
19	10	8	5	4	4	4	5	6	7	5	6	5	4	4	5	5	6	7	6	5	4	4	4	4	5.2	24	11
20	4	4	4	3	4	4	5	6	7	8	5	5	5	6	5	6	6	7	5	5	5	5	4	4	5.0	24	12
21	4	4	3	4	4	3	4	8	9	6	6	5	5	5	5	6	8	6	5	5	5	5	6	5	5.1	24	13
22	4	4	4	4	4	4	4	6	6			5	5	5	5	7	10	6	5	4	3	3	3	3	4.8	22	16
23*	4	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	4	4	4	4	4	3	3.7	24	8
24*	4	3	4	3	3	3	3	4	4	4	4	4	4	5	5	5	6	5	5	6	5	5	4	4	4.2	24	11
25	4	4	4	4	4	4	4	5	7	6	5	5	5	5		4	5	6	5	5	6	6	5	5	4.8	23	9
26	4	4	4	4	4	4	5	7	6	6	5	5	5	4	5	5	5	5	6	6	6	5	4	4	4.8	24	9
27																											
28		4	4	4	4	4	5	6	5	5	4	5	5	5	5	5	5	5	5	5	4	6	4	6	5.0	23	9
29			4	5	5	4	5	6	6	5				5	6	7	7	8	7	5	7	6	8	6	5.8	19	13
30*	6	6	5	5	5	4	5	5	5		6	6	6	6	6	6		7	7		8	7	8	14	6.3	21	45
31*	6	5	5	4	4	4	5	4	5	4		5	5	5	5	5	5	6	6	4	4	4	4	4	4.7	23	9
MEAN	6	5	5	5	5	5	5	6	7	6	6	5	5	5	6	6	6	7	6	6	6	6	6	6	5.8		
NO.	22	24	26	26	26	26	25	25	24	24	21	25	25	27	25	27	26	27	27	25	26	26	27	26		606	
MAX.	14	14	15	12	12	12	13	14	11	12	11	11	11	11	12	12	13	12	13	16	15	15	15	14	11.9		45

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-4

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CINCINNATI, OHIO

CARBON MONOXIDE
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	4		4	4	4	4	5	6	5	6	5	5	5			6	6	6	5	5	5	5	5	4	4.8	23	12
2	4	4	4	4	4	4	5	6	6	6	5	5	5	5	5	6	6	7	6	5	6	5	5	5	5.1	24	9
3	4	4	4	4	4	4	5	5	6	5	5	5	6	7	6	6	7	7	5	5	5	4	4	4	5.0	24	10
4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4.5	24	10
5	4	4	4	4	4	4	5	5	5	6	6		5	6	6	6	7	7	5	6	5	4	5	4	5.0	23	12
6*	4	4	5	4	4	4	4	4	5	5	4	5	5	5	5	5	5	5	4	5	8	9	9	12	5.4	24	23
7*		8	8	7	7	6	7	6	5	4	5	5	5	5	5	5	5	5	5	5	4	4	4	4	5.3	23	9
8	4	4	4	4	4	4	4	5	6	4	5	5	4		4	5	5	5	5	5	4	4	4	4	4.3	23	9
9	4	4	4	5	5	5	7	6	4	4	4	5	6	5	5	5	6	6	5	5	4	5	5	5	5.0	24	17
10	5	5	5	5	6	5	8	8			5	5	6	5	5	6	7	6	5	4	6	6	5	4	5.6	22	13
11	4	4	5	5	4	5	6	7	8	7	5	6	5	5	5	7	6	5	6	6	6	6	5	5	5.5	24	12
12	5	5	5	5	5	5	6	7	8	9	5	6	5	6	6	7	7	7	7	7	7	7	7	9	6.4	24	13
13*	7	6	7		6	5	6	6	7	6	6	6	6	7	7	8	6	7	7	7	9	8	6	6	6.6	23	11
14*	7	6	5	5	5	5	5	5	5	6	6	5	5	6	6	6	6	6	5	5	5	5	5	5	5.3	24	9
15	5	5	4	4	4	5	5	5	5	5	6	5	6				7		6	6	6	7	7	9	5.7	20	10
16	9	7	8	7	7	7	10			7	6	6	8	7	7	7	7	7	6	7	7	7	6	6	7.1	22	12
17	6	5	5	5	5	5	6		8	7	7	7	7	8	7	8	8		6	6	5	5	5	5	6.2	22	11
18	5	5	5	5	5	5	8	10	8	6	6	7	7	6	6	6	7	7	6	6	6	6	5	5	6.1	24	17
19	5	5	4	5	5	4	9	10	7	6	6	7	5	6	6	6	7	6	6	6	7	6	6	6	5.9	24	14
20*	5	6	5	5	4	4	5	5	5	6	6	6	6	6	6	5	6	6	6	7	7	4	6	5	5.5	24	14
21*	6	5	5	4	4		4	4	4	4	5	5	5	5	5	5	5	5	5	7	8	8	8		5.2	22	10
22	6	6	6	7	6	5	7	6	6	5	5	5	4	5	5		5	6	6	5	7	6	5	5	5.6	22	11
23	5	5	5	4	4	4	5	6	5	5	5	5	5	5	5	6	5	5	4	4	4	3	3	3	4.6	24	8
24	3	3	3	4	3	4	4	4	5	4	4	5	4	4	5	4	6	5	4	4	4	4	4	4	3.9	24	9
25	4	4	4	4	3	3	4	4	4	4	4	5	4	4	5	6	6	5	5	6	5	6	6	6	4.5	24	16
26	6	6	5	5	5	5	6	7	6	5	6	6	6	6	5	5	6	7	6	6	6	6	5	5	5.6	24	12
27*	5	9	5	5	4	4	5	8	5	5	5	6	5	5	5	5	6	6	5	5	6	5	6	7	5.2	24	14
28*	10	10	9	9	7	8	8	8	5	5	5	6	5	5	5	5	5	6	5	5	6	5	5	5	6.2	24	14
29	7	7	6	5	4	5	6	7	7	6	6	6	6			5	6	5	6	6	7	7	6	6	6.0	22	15
30	5	4	4	4	4	4	5	4	5	6		6	6	6	6	7	7	6	6	7	7	7	7	7	5.8	23	11
MEAN	5	5	5	5	5	5	6	6	6	5	5	5	5	6	5	6	6	6	5	6	6	6	5	6	5.4		
NO	29	29	30	29	30	29	30	28	28	29	29	29	30	26	26	28	30	28	30	30	30	30	30	29		696	
MAX	10	10	9	9	7	8	10	10	8	9	7	7	8	8	7	8	8	7	7	7	9	9	9	12	7.1		23

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-5

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CINCINNATI, OHIO
CARBON MONOXIDE
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	6	5	5	5	5	6	8	9	8	7	7	7	6	6	7	8	7	7	7	7	7	7	6	6	6.4	24	11
2	6	5	5	6	7	9	9	9	7	7	6	6	6	6	6	7	7	7	7	9	11	11	11	9	7.5	24	15
3																											
4*																											
5*																											
6																											
7		26	27	27	26	27	27	31	27	14	5	1	1	8	10	11	4						2	6	15.5	18	39
8	9	10	14	15	16	19	21	19	18	15	15	16	14	13	4										14.6	15	23
9																											
10																											
11*																											
12*																											
13																											
14																											
15																											
16																											
17																											
18*																											
19*																											
20																											
21																											
22																											
23																											
24		4	3	4	4	5	5	6	5	5	6	5	5	5	8	7	9	6	8	7	7	10	6	7	5.9	23	20
25	5	6	5	5	5	5	6	5	5	5	5	6	6	6	6	5	7	7	8	8	8	11	9	8	6.3	24	19
26*	8	7	7	7	7	6	6	7	7	7	7	7	7	8	8	8	7	7	8	8	8	8	7	8	7.2	24	11
27	7	6	6	7	7	8	8	8	8	8	8	8	8			4	4	4	4	4	4	4	4	4	5.9	22	14
28	4	4	4	3	4	5	6	6	5	5		4	5	5	5	6	5	5	5	5	6			6	4.8	21	9
29	5	4					5	6		5	5			4	5	4	5	5	5	5	6	6	5	5	4.9	17	10
30	5	5	4	4	4	5	5	5	5	6	5	5	5	5	5	3				5	5	4	7	8	5.0	21	12
31	5	5	5	5	5	6	8	7					4	4	4	5	5	5	5	6	7	7	8	7	5.7	20	12
MEAN	10	12	11	11	11	11	12	12	10	11	10	10	11	11	11	11	10	9	9	10	10	9	10	11		251	
NO.	9	26	27	27	26	27	27	31	27	15	15	16	14	13	10	11	9	7	8	9	11	11	11	9	15.5		39
MAX																											

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-6

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CINCINNATI, OHIO

CARBON MONOXIDE
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	7		5	5	5	5	5	6	6	6	5	4	4	4	4	4	5	5	5	5	6	5	5	5	5.0	23	8
2*	4	4	5	4	4	4	4	4	4	5	4	3	3	4	3	3	5	5	5	5	4	4	6	4	3.8	24	8
3	3	2	2	2	2	4	5	4	4	3	3	3	2			3	4	3	7	4	4	5	4		3.4	21	15
4								12			3		4	5	4	5	5	4	5	5	6	7	6	6	5.3	14	17
5	7	8	7	7	7	9	12	14	8	6	6	6	6	5	4	4	5	6	8	6	8	10	12	10	7.6	24	18
6	9	8	8	8	6	10	13	17	11	8	8	7	7	7	7				6	7	10	11	12	12	9.1	21	20
7	11	11	10	9	11	12	17	19	18	12			7	8	7	7	7	7	7	8	9	10		12	10.5	21	20
8*	11	11	10	10	9	10	11	10	6	7	7					5	5	5	6	5	6	11	10	8	8.2	20	16
9*	8	7	7	7	7	6	7	7	6	5	5	5	6	4	6	6	4	5	5	6	5	6	6	4	5.7	24	15
10	3	3	2	2	3	4	9	6	5	4	2	2	2		2	3	3	3	4	4	4	4	4	4	3.5	23	15
11	3	3	3	3	4	5	9	6	5	4	3	2	2	2	2	3	3	2	3	2	3	3	3	3	3.5	24	12
12	2	2	2	2	2	3	4	3	3	3	2	3	2	2	2	3	3	2	2	2	3	3	2	3	2.5	24	5
13	2	2	1	2	2	4	5	3	3	3	3	3	3	4	2	4	4	4	7	5	5	6	6	5	3.6	24	15
14	5	4	4	4	4	4	6	6	5			3	3	3	4	4	5	4	4	5	5	7	5	5	4.5	22	9
15*	4	3	3	3	3	3	3	3	3	4	4	3	3	3	2	3	3	3	4	4	4	5	5	3	3.5	24	7
16*	3	3	3	2	2	2	2	3	4	4	4	3	4	3	3	4	3	4	3	3	4	6	4	4	3.4	24	19
17	3	2	2	3	3	3	5	4	4	4	4	4	4												3.4	13	7
18																											
19								5	4	4	4	4	4	4	3	4	3	3	2	4	6	6	6	8	4.2	17	11
20	4	2	1	1	2	3	5	5	3	3	2	3	3	2	3	5	4	4	3	3	5	7	6	7	3.5	24	12
21	5	5	5	4	4	6	7	6	4	4	3	2	3							12	15	13	11	9	6.5	18	15
22*		7	7	6	6	5	5	5	5	5	5	5	5	7	7	7	6	5	7	7	6	6	6	6	5.9	23	12
23*	5	4	5	3	3	3	3	3	3	4	3	3	3	3	3	3	4	3	4	4		4	3	3	3.4	23	8
24	3	3	3	3	3	3	4	4	4	5	3	3		3	3	3	4	3	3	3	4	4	4	3	3.4	23	7
25	3	3	3	3	3	3	5	5	5	5	4	4	3	3	3	3	4	3	3	3	4	4	3	4	3.6	24	9
26	3	3	3	3	4	5	6	5	3	3	4	4	4	4	4	4	4	3	3	3	4	4	3	4	3.7	24	9
27	3	4	3	3	3	5	5	4	4	4	4	4	5	4	4	4	4	4	5	4	4	4	4	4	4.0	24	13
28																											
29*																											
30*																											
MEAN	5	5	4	4	4	5	6	6	5	5	4	4	4	4	4	4	4	4	4	5	6	6	6	6	4.7		
NO	23	23	24	24	24	24	24	26	25	24	24	23	24	21	22	23	23	23	24	25	24	25	24	24		570	
MAX	11	11	10	10	11	12	17	19	18	12	8	7	7	8	7	7	7	7	8	12	15	13	12	12	10.5		20

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-7

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CARBON MONOXIDE
JULY 1968

CONCENTRATION IN PPM
INFRARED ANALYSIS

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1																											
2	5	4	4	4	4	7	11	10	7	5	5	5	5	5	5	5	5	4	4	4	5	5	5	4	5.3	24	16
3	4	3	3	3	3	4	6	5	5	4	4	3	4	4	4	5	5	4	4	4	5	7	8	10	4.6	24	12
4	10			9		10	10	11	8	6	6	7	7	7	7	7	7	7	7	7		11	11	12	8.4	20	16
5																											
6*																											
7*																											
8																											
9	4	4	4	3	3	4	6	5	4	4	4	3	3	3	4	4	4	4	3	3	4	5			3.9	22	13
10	3					4	7	8	8	5		4	5	5	5	7	9	7	7	6		4	5	5	5.6	18	16
11	5	4	3	3	3	4	7	5	5	4		4	4	3	3				6	6	7	10	16	13	5.7	20	19
12	9	8	7	6	6	7	13	12	8	5	4	3				5	23	42	41	38	34	36	38	35	18.1	21	44
13*	34	36	35	34	33	33	33	34	33	32	32	32	31	31	32	31	31	32	31	31	32	32	32	32	32.4	24	37
14*	31	31	31	31	31	31	31	30	32	32	32	32	31	32	32	32	32	32	32	33	33	33	33	32	31.7	24	36
15																											
16																											
17																											
18		3	2	3	3	3	5	6	3	2	3	3	3	3	2	4	3	3	3	3	3	4	3	3	3.1	23	11
19	2	2	2	2	2	3	5	5	4	3	3	4		3	3	4	4	3	3	3	4	5	5	4	3.5	23	12
20*	3	8	6	3	3	2	3	2	2	3	2	2	2	3	2	2	2	2	3	3	4	4	4	3	3.1	24	10
21*		4	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	5			6	2.5	21	7
22																											
23																											
24																											
25											6	4	4	5	4	6	7	5	6	5	4	4	4	4	4.7	14	13
26	3	3				2	3	3			3	2	3	2	2	2	3	2	2	2	3	3	3	4	2.7	19	6
27*	7	8	7	6	4	5	4	3	2	3	3	2	2	2	3	2	2	2	3	3	3	4	3	3	3.5	24	11
28*	2	2	2	1	2	2	3	2	3	2	3	2	2	2	3	3	2	2	3	3	3	3	3	3	2.3	24	5
29	2	2	2	2	3	5	11	7	3	4	3		3	3	3	4	3	3	3	3	4	4	3	7	3.8	23	16
30	3	3	2	2	2	3	4	5	3	4	4	3	3	3	3	3	3	3	3	4	4	4	3	3	3.2	24	9
31	3	2	2	2	2	3	4	3	3	3	3	3	3	3	4	4	4	3	3	3	4	4	3	3	3.0	24	8
MEAN	8	7	7	7	7	7	9	8	7	7	7	6	6	6	6	7	8	8	8	8	9	10	10	10	7.7		
NO	17	17	16	17	16	19	19	19	18	18	18	19	18	19	19	19	19	19	20	20	18	19	18	19		440	
MAX.	34	36	35	34	33	33	33	34	33	32	32	32	31	32	32	32	32	42	41	38	34	36	38	35	32.4		44

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-8

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CINCINNATI, OHIO

CARBON MONOXIDE
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1	2	2	2	2	3	5	5	5		3	4	3															
2	3	2	2	2	3	3	4	6	6		3	3	3	3	3	4	4	4	3	4	5	6	6	6	3.6	21	17
3*	6	5	5	4	3	4	4	5	4	5	3	4	3	3	3	4	3	3	3	3	5	3	4	5	3.7	23	10
4*	6	5	3	2	3	3	3	4	4	3	3	3	4	3	4	4	4	4	4	4	4	4	4	3	4.0	24	12
5	2	2						7	6	5	4	2	3	5	6	6	8	9	10	11	12	9	8	8	3.7	24	13
6	7	7	7	6	6	7	8	7	6	5						6	5	5	6	7	7	7	6	6	6.4	19	14
7																									6.4	19	10
8																											
9																											
10*																											
11*																											
12																											
13	4	2	2	3	2	2	3	4	4		4	4	3	3	4	4	3	2	2	3	2	2	3	2	2.9	23	7
14	2	2	1	2	2	2	3	3	3	3	3	4	3	3	6		4	2	2	2	3	3	3	3	2.8	23	11
15	3	3	2	2	2	2	3	4	3	3	3	2	3	2	3	3	4	2	2	2	3	3	2	2	2.6	24	10
16	1										3	2	2	2	3	3	2	2	2	3	3	3	2	3	2.4	15	8
17*	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	2	1	2	2	2	4	4	5	6	2.1	24	13
18*	3	2	2	1	1	1	1	1	2	2	3	2	2	1	1	1	1	1	1	2	3	5	5	4	2.0	24	7
19	2	1	1	1	1	2	4	5	4	2	2		1	1	3	2	3	2	2					3	2.2	19	11
20	2	1							2	2	2	2	2	2	2	2	2	2	2					7	2.2	14	10
21	9	7	6	4	4	6	7		5	5	4	3	3	3	3	3	2	2	3	3	4	4	4	3	4.2	23	10
22	5	4	3	3	3	4	6	5	5	3	3	3	2	3	6	9	3	2	3	3	3	3		6	3.9	23	15
23	5	3	2	2	2	3	7	7		3	3	3	3	3	2	3	3	3	3	4	5	6	8	7	3.9	23	10
24*	4	4	3	3	3	3								12	12	10	10		8		7	6	6	6	6.5	15	14
25*	5	5	4	4	4	4	4	4	4	5	4	4	4	4	4	4	4	4	5	5	5	5	4	4	4.3	24	8
26																											
27																											
28											2	2	2	2	3	3	3	3	3	3	4	6	4	4	3.0	14	9
29																											
30																											
31*																											
MEAN	4	3	3	3	3	3					3	3	3	3	4	4	4	3	3	4	5	5	5	4	3.6		
NO	19	18	16	16	16	16	15	15	15	15	18	17	17	18	19	19	20	19	20	17	18	18	17	20		418	
MAX	9	7	7	6	6	7	8	7	6	5	4	4	4	12	12	10	10	9	10	11	12	9	8	8	6.5		17

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-9

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1* 2 3 4 5																											
6 7* 8* 9 10																											
11 12 13 14* 15*																											
16 17 18 19 20																											
21* 22* 23 24 25																											
26 27 28* 29* 30																											
MEAN NO. MAX.																									0.0		0

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

ALLEN COMPANY BUSINESS SYSTEMS

5153

CONTINUOUS AIR MONITORING PROGRAM

Table 3-10

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CONCENTRATION IN PPM
INFRARED ANALYSIS

CINCINNATI, OHIO

CARBON MONOXIDE
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1																											
2																											
3																											
4																											
5*																											
6*																											
7																											
8																											
9																											
10																											
11																											
12*																											
13*																											
14																											
15																											
16																											
17																											
18		2	2	2	4	4	4	2	2		3	3	3	2	4	5	5	5	7	12	11	11	10		4.9	21	19
19*										4	3	3	4	4	5	5	5	5	9	18	14	21	11	10	8.2	15	43
20*	8	5	6	5	6	7	7	4	5	4	5	4	4	4	3	3	3	4	8	10	14	10	7	6	5.9	24	20
21	4	5	6	8	6	10	16	13	13	5	3	2		1	2	3	4	4	8					5	6.1	19	17
22	5								3	3	2	2	3	3	2	3	4	5	5	5	6	6	4	5	4.0	17	8
23	4	4	4	4	5	7	7	5	3	4	4	3	3	3	3	4	4	6	7	7	11	13	11	11	5.7	24	17
24	8	7	7	8	9	13	14	11	6	6	5	5	5	5	5	7	8	9	8	9	8	10	8	7	7.8	24	21
25	4	5	6	7	7	8	9	6	4		4	5	5	4	5	5	7	6	7	8	8	7	7	6	6.0	23	11
26*	6	5	5			8	8	6	5	7	5	4	3	4	3	4	5	6	16	14	12	11	8	6	6.8	22	27
27*	5	4	4	4	4	6		3	2	2	2	2	2	3	3	3	2	2	4	6	6	7	7	6	3.7	23	9
28	5	5	5	5	5	7	6	5	4	3	3	3			3	3	4	6	5	5	5	4	4	4	4.5	22	9
29	3	2	3	3	4	5	5	5	3	2	1	1	1	3	3	3	4	7	7		8	11	8	7	4.2	23	17
30	7	7	6	6	4	6	8		9	8	4	1	0	1	1	0	2	4	5	7	10	11	11	10	5.5	23	18
31	7	9	6			6	6	6	3	1	0	2	1	1	1	1	3	15	27	26	27	8	5	2	7.1	22	37
MEAN																											
NO.	12	12	12	10	10	12	11	11	13	12	14	14	12	13	14	14	14	14	14	12	13	13	13	13		302	
MAX	8	7	7	8	9	13	16	13	13	8	5	5	5	5	5	7	8	15	27	26	27	21	11	11	8.2		43

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-11

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
NOV. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	9	2	1	0	1	2	3	4	3	3	2	2	4	3		3	4	6	6	11	6	3	4	3	3.7	23	26
2*	4	4	5	3	5	4	4	3	3	2	5	5	5	6	5	7	5	7	11		13	10	10	9	5.7	23	25
3*		6		5		6	5	6	4	4	5	6	6	4	4	4	3	6	7		8	7	8	7	5.5	20	21
4	6	6	6	6	5	5	6	7	7	7	5	3	3		4	7	9			9	6	6	5	5	5.9	21	18
5																											
6		6	6	6	6	6	6	10	7		8	5	5	4	4	5	8		10	9	8	8			6.6	19	16
7			7	6	8	7	7	7	6	3	6	4	7	6	5	5	4	8		9		10	10	8	6.6	20	12
8	6	7	7		7	7	8	8	5	5	4		1	6	4	4	5	7	8	10	9	7	8	6	6.2	22	14
9*	7	8	7	5	7	6	6	4	4	4	5	6	4	4	5	7	6	8	7	11	11	7	9	7	6.4	24	22
10*	6	6	7	7	8	7	7	6	6	6	7	5	4	5	5	5	6	6	8	11			10	11	6.7	22	18
11	8	7	6	6	6	8	7	7	5		5	3	3		5	5	6	8	10		8	7	7		6.3	20	14
12	7		7	9	7	8	8	7	4	4	6	5	5	6	5	7	6		9	9		7	7		6.6	20	13
13		7	7	9	10	8	9	7	7	6	3	3	4	3	3	4	6	9	13			10	8	8	6.7	21	17
14	8	8	7	7	8	8	7	7	6	6	6	4	5	6	3	3	7	9	10	10	9	9	8	10	7.0	24	26
15	6	6	6	7	7	7	5	6	4		3	4	4	5	5	5	7	8	10			9		11	6.2	20	16
16*		6	8	8	8	7	9	6	4	3	4	4	3	5	4	5	6	5	6	8	6	6	6	8	6	5.8	22	11
17*	6	6	7	7	5	6	6	5	4	4	3	3	2	3	3	2	3	3	8	6	6	13	6	5	5.0	24	45
18	5	5	4	5	7	6	8	6	3	2	2	2	2	3	2	3	4	6	7	6	4	6	6	4	4.8	23	11
19	4	4	6	5	4	5	6	6	3	1	3	3	4	5	4	4	5	5	7	4	4	3	3	4	4.0	24	10
20	3	3	2	4	5	6	6	4	2	1	1	1	2	3	3	3									3.1	16	17
21									0	0	0	1	0	0	0	0	0	2	5	6	5	4	4	3	1.9	16	9
22	3	3	3	2	2	4	5	4	5	3	3	3	2	2	3		6		14	23	20	18	17	12	7.2	22	31
23*	12	16	8	6	6	5	7	6	4	5	4	4	2	3	2	2	4	4	6	6	7	5	6	6	5.5	24	24
24*	3	5	4	6	6	5	6	6	5	5	5	2	4		2	2	3	5			10	7	10	7	5.0	22	11
25	5	5	4	6	7	5	7	8	4	3	2	1	2		2	2	5	6	13	14	13	10	7	7	5.9	23	19
26	7	6	6	5	6	5	6	7	6	1	1	0		1	2	2	3	4	5	4	4	3	4	3	3.9	25	10
27	3	5	4	5	6	6	6	4	4	3	3	5	5	4	4	3	6	6	9	8	8	8	7	6	5.4	24	12
28	7	5	5	6	4	5	6	4	2		3	4	1	3	3	3	4	4	6	7	8		7	7	4.8	24	10
29	5	4	5	6	7	6	6	6	2	3	3	4	4	3	5	5	6	10	10	10	8		8	7	6.0	21	14
30*	6	6	6	7	6	6	7		5	6	6	6	4	2	2	5	6	7	11		11	9		7	6.2	21	14
MEAN	6	6	6	6	6	6	6	6	4	4	4	3	3	4	3	4	5	6	9	9	8	8	7	7	5.6	628	
NO.	23	26	27	27	27	28	28	27	29	25	28	28	28	25	28	28	28	24	25	21	22	26	25	25	7.2		45
MAX	12	16	8	9	10	8	9	10	7	7	8	6	7	6	5	7	9	10	14	23	20	18	17	12			

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

Table 3-12

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	6	7	7	6	7	7	7	7	6	6	6	7	6	7	7	7	8	8	10	10		8	7	7	7.1	23	13
2	7	7	7	7	7	7	8	7	4	4		5	4		5	5									5.9	14	12
3																											
4									4	6	6	8	7	9	7	8	9	11	10	9	9	10	8	10	8.1	16	13
5	8	7	7		8		10	6	3	5	7	5	6	6	5	6	7	11	12	9		9	9		7.3	20	13
6	6	9	7	7	8	8	9	9	5	7		5	3	4	3	3	7	7	9	10	13	8	7		6.8	22	21
7*	7	7	6	6	6	5	5	5	3	3	3	4	6	5	5	5	6	7	9	8	9	8	7	7	5.8	24	11
8*	5	7	5	4	4	6	6	6	4	4	5	5	5	5	4	4	5	6	7	8	7	7	7	8	5.6	24	9
9																											
10																											
11																											
12																											
13																											
14*																											
15*																											
16																											
17																											
18																											
19																											
20																											
21*																											
22*																											
23																											
24																											
25																											
26																											
27																											
28*																											
29*																											
30																											
31	3	3	3	3	3	3	4	4	2	2	3	4	4	5	4	4	5	5	6	4	4	5	6	4	3.7	24	7
MEAN	7	7	7	6	7	6	7	7	8	8	6	8	8	7	8	8	7	7	7	7	5	7	7	5		167	
NO	8	9	7	7	8	8	10	9	6	7	7	8	7	9	7	8	9	11	12	10	13	10	9	10	8.1		21
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-13

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
JAN. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1																											
2																											
3	.04	.04	.04	.02	.02	.02	.02	.02	.04	.04	.03						.04	.05	.04	.03	.03	.02	.02	.01	.029	19	.05
4																											
5							.03	.05	.08	.06	.04	.03				.03	.03	.05	.04	.02	.01	.02			.036	13	.09
6*																											
7*																											
8																											
9																											
10																											
11																											
12																											
13*																											
14*																											
15																											
16																											
17																											
18																											
19																											
20*																											
21*																											
22																											
23																											
24																											
25																											
26																											
27*																											
28*																											
29																											
30																											
31																											
MEAN	1	1	1	1	1	1	2	2	2	2	2	1				1	2	2	2	2	2	1	1			32	
NO.	.04	.04	.04	.02	.02	.02	.03	.05	.08	.06	.04	.03				.03	.04	.05	.04	.03	.03	.02	.02	.01	.036		.09
MAX.																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-14

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CINCINNATI, OHIO

NITRIC OXIDE
FEB. 1969

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1 2 3* 4* 5																											
6 7 8 9 10*																											
11* 12 13 14 15																											
16 17* 18* 19 20	.01	.01	.01	.00	.00	.00	.02	.05	.09	.07			.02	.01								.00	.00	.00	.019	15	.10
21 22 23 24* 25*	.00 .06 .07 .39 .02	.04 .06 .32 .02	.04 .07 .31 .02	.00 .04 .03 .28	.00 .05 .31	.01 .03 .04 .30 .03	.04 .05 .13 .01	.07 .16 .39 .02	.11 .09 .19 .53	.11 .07 .11 .53	.07 .06 .32 .04	.02 .06 .09 .04 .03	.01 .05 .05 .01 .02	.00 .05 .01 .01 .01		.01	.01 .01 .02 .02 .00	.02 .04 .02	.03 .06 .03	.05 .13 .03	.06 .18	.06 .30 .04 .06	.09 .35 .03 .34	.05 .08 .39 .06	.034 .052 .119 .198 .048	15 20 21 20 13	.13 .10 .41 .56 .39
26 27 28 29	.43	.38	.32	.26	.24	.23	.30	.49	.62	.54	.33	.14	.05	.04				.01	.02	.06	.18	.22	.34	.29	.261	21	.66
MEAN NO MAX	7 .43	6 .38	6 .32	6 .28	5 .31	7 .30	6 .30	6 .49	6 .62	6 .54	5 .33	6 .14	7 .05	7 .05		1 .01	5 .02	4 .04	4 .06	4 .13	3 .18	6 .30	6 .35	6 .39	.261	125	.66

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-15

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
MARCH 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1																											
2*																											
3*																											
4																											
5		.01	.01	.02	.02	.02	.03	.09	.11	.06	.03	.02	.03	.02											.037	15	.12
6																											
7																											
8		.42	.36	.31	.26	.19	.08	.17	.26	.25	.15	.05					.06	.06	.04	.03					.179	15	.46
9*																											
10*																											
11																											
12																											
13																											
14	.12	.10	.11	.14	.15	.16	.13	.15	.14	.11	.04	.02	.02	.03			.02	.04	.03	.03	.04	.03	.02	.01	.074	22	.19
15	.01	.01	.00	.00	.00	.01	.07	.13	.20	.13	.06	.02	.00	.00			.06	.11	.15	.16	.11	.08	.04	.04	.063	22	.22
16*	.04	.07	.07	.04	.01	.01	.03	.08	.04	.03	.06	.06	.04	.02			.01	.01	.01	.06	.24	.42	.43		.084	21	.52
17*	.44	.38	.23	.20		.21	.26	.30	.33	.37	.27	.08	.01	.00		.00	.00	.00	.01	.02	.13	.43	.56	.58	.218	22	.62
18	.44	.38	.32	.35	.30	.28	.37	.55	.72	.46	.23	.08	.02	.00		.00	.00	.01	.02	.05	.05	.18	.34	.43	.243	23	.77
19	.48	.47	.28	.13	.04	.03	.06	.09	.16	.11	.07	.06					.04	.06	.11	.09	.03	.03	.02	.02	.117	20	.60
20	.02	.02	.03	.02	.04	.02	.05	.10	.18	.15	.11	.05					.07	.08	.07	.06	.09	.10	.08	.06	.070	20	.20
21	.04	.03	.02	.01	.01	.01	.03	.17	.40	.27	.17	.08				.02	.05	.07	.07	.06	.05	.05	.06	.08	.084	21	.44
22	.06	.09	.06	.02	.03	.03	.04	.07	.13	.11	.08	.11				.04	.07	.07	.05	.05	.03	.02	.02	.02	.057	21	.14
23*	.01	.01	.01	.01	.01	.01	.01	.02	.03	.03	.02	.04	.03	.01		.01	.01	.01	.01	.01	.02				.017	20	.05
24*	.01	.01	.01	.00	.00	.00	.01	.02	.02	.03	.03	.02	.02	.02		.01	.02	.01	.01	.03	.07	.06	.05	.03	.020	23	.09
25	.03	.04	.02	.02	.02	.04	.04	.11	.13	.15	.07	.03	.03	.01			.02	.03	.02	.02	.04	.14	.08	.07	.053	22	.17
26	.04		.03	.02	.01	.02		.09	.13	.11	.06	.03	.01	.00		.00	.01	.01	.01	.04	.07	.06	.02	.00	.035	21	.17
27	.00	.00	.00	.01	.01	.03	.12	.18	.14	.10	.09	.01	.00			.04	.06	.04	.03	.12	.17	.12	.04	.02	.060	22	.23
28	.01	.00	.01	.00	.02	.03	.10	.08	.07	.02	.02	.02	.02	.01			.01	.02	.02	.03		.06	.09	.05	.032	21	.13
29	.04	.01	.01	.01	.02	.02	.03	.06	.06	.04	.01	.01				.02	.03	.03	.07	.05	.03	.04	.11	.11	.038	21	.19
30*	.06	.06	.05	.01	.00	.00	.00	.01	.01	.01	.00	.01	.01	.00		.00	.00	.01	.01	.02	.02	.03	.04	.08	.018	23	.10
31*	.04	.02	.00	.02	.02	.00	.00	.00	.00	.00	.01	.02	.01	.00			.02	.02	.05	.04	.00	.00	.00	.00	.012	22	.06
MEAN	.11	.11	.08	.07	.05	.06	.08	.12	.16	.13	.08	.04					.03	.04	.04	.05	.07	.11	.12	.10	.075		
NO.	18	19	20	20	19	20	19	20	20	20	20	20	14	13		10	19	19	19	19	17	17	17	16		415	
MAX.	.48	.47	.36	.35	.30	.28	.37	.55	.72	.46	.27	.11	.04	.03		.04	.07	.11	.15	.16	.24	.43	.56	.58	.243		.77

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

5150

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-16

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2	.01	.01	.00	.00	.00	.00	.01	.04	.07	.04 .06	.01 .04	.01 .02	.02 .02	.02 .02			.01 .02	.01 .02	.01 .02	.01 .01	.02 .02	.03 .02	.02	.02	.016 .021	18 19	.08 .07
3	.03	.01	.00	.00	.00	.00	.00	.01	.03	.04	.03						.04	.04	.02	.01	.00	.00	.00	.00	.014	20	.05
4	.00	.01	.03	.00	.00	.00	.03	.13	.10	.13	.20	.16	.05	.07		.03	.03	.00	.00	.00	.00	.00	.00	.00	.042	22	.23
5	.00	.00	.00	.00	.00	.00	.00	.01	.04	.06	.06	.06	.04	.03			.04	.05	.03	.02	.02	.01	.01	.00	.021	22	.07
6*	.00	.00	.02	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.01	.05	.09	.32	.024	23	.39
7*	.39	.30	.25	.24	.23	.19	.17	.17	.12	.05	.01	.01	.00	.01		.01	.02	.03	.07	.05	.01	.01	.02	.02	.103	23	.42
8	.02	.01	.00	.00	.00	.00	.01	.05	.10	.07	.02	.02	.01	.00			.02	.02	.02	.02	.02	.01	.01	.01	.021	22	.11
9	.01	.02	.02	.07	.12	.17	.18	.19	.06	.03	.01					.01	.01	.01	.01	.02	.01	.02	.10	.14	.059	20	.27
10	.14	.14	.17	.26	.22	.16	.21	.35	.23	.17	.11	.02	.01	.01				.01	.00	.00	.02	.07	.07	.02	.113	21	.42
11																											
12																											
13*																											
14*																											
15																											
16		.32	.30	.31	.24	.23	.26	.52	.27	.12	.04	.02				.01	.03	.04		.04	.05	.06	.07	.05	.159	19	.66
17	.06	.05		.00	.00	.01			.09	.09	.11	.07	.05	.05			.07	.11	.07	.05	.04	.03	.03	.03	.053	19	.14
18	.02	.02	.03	.02	.02	.05	.12	.24	.21	.08	.04	.01	.01	.01		.02	.03	.04	.03	.03	.04	.04	.04	.05	.052	23	.28
19	.02	.02	.02	.02	.03	.04	.19	.40	.19	.06	.03	.02	.01	.03			.03	.04	.03		.04	.04	.04	.03	.063	21	.45
20*			.03	.03	.03	.01	.01	.02	.03	.04	.03	.03								.04	.08	.07	.05	.05	.037	15	.10
21*	.06	.06	.05	.04	.08	.07	.06	.04		.01	.01	.01	.02	.02						.04	.09	.22	.29	.25	.078	18	.33
22																											
23																											
24																											
25																											
26		.18	.13	.13	.07	.10	.13	.18	.14	.08	.06	.02					.03			.05		.08	.07		.096	15	.22
27*																											
28*	.36	.49	.44	.41	.37	.33	.41	.43	.22	.05	.01					.01		.01	.01	.01		.02			.224	16	.52
29	.16	.21	.29	.20	.11		.04	.09	.08			.02		.02			.03				.06	.14	.16	.08	.112	15	.32
30																											
MEAN		.11	.10	.10	.09	.08	.11	.17	.12	.06	.05	.03								.02	.03	.05	.06	.07	.066		
NO	15	17	17	18	18	17	17	17	17	18	18	16	12	13		7	15	15	14	17	17	19	17	16		367	
MAX	.39	.49	.44	.41	.37	.33	.41	.52	.27	.17	.20	.16	.05	.07		.03	.07	.11	.07	.05	.09	.22	.29	.32	.224		.66

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-17

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1						.06	.09	.10	.15	.09	.05	.03	.02	.01		.02	.03	.03		.03		.06	.06	.03	.054	16	.18
2	.03	.03			.08	.23	.29	.18	.10	.03	.02							.00	.00	.01	.06	.19	.16	.20	.100	16	.36
3																											
4*																											
5*	.01	.01	.01			.00	.00	.01	.01		.01	.02	.02	.01		.00	.00	.01	.01	.01	.02	.02	.02	.02	.011	20	.03
6	.01	.07	.12	.20	.21	.20	.37	.39	.17	.06	.02	.02	.02	.01			.03				.02				.119	18	.44
7	.01	.00	.00	.00	.00		.04	.10	.09	.04						.03	.04		.03			.06	.05		.034	14	.11
8							.05	.07	.08	.08	.04						.01	.01	.03	.07	.03	.03	.01	.01	.039	13	.10
9																											
10																											
11*									.03	.04	.04	.03	.03	.04			.01	.01	.01	.02	.01	.01	.02	.02	.022	14	.06
12*	.01	.01	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01			.01	.01	.01	.02	.02	.02	.02	.03	.012	21	.04
13	.16	.19	.27	.33	.28	.27	.69	.75	.14	.08	.03	.01	.00	.01			.02	.02	.02	.02	.03	.03	.02		.159	21	1.01
14	.01	.01	.01	.01	.00	.03	.06	.09	.11	.10	.07					.02	.03	.02	.03	.04	.04	.05	.05	.04	.040	20	.13
15																											
16																											
17																											
18*																											
19*																											
20																											
21																	.03	.02	.01	.01	.03	.07	.05	.03	.136	20	.74
22		.17	.17	.12	.16	.27	.35	.67	.45	.07		.02	.01	.01													
23	.03	.01	.00				.00	.03	.07	.09	.06					.01	.01	.02	.02	.05	.04	.02	.02	.02	.029	17	.11
24																											
25*																											
26*		.01	.01	.00	.00	.00	.00	.00	.01	.01	.01	.02	.01	.01		.01	.03	.02	.04	.03	.02	.04	.03	.02	.015	22	.04
27	.02	.01	.01	.01	.01	.03	.09	.07	.06	.06	.05	.04	.03	.04		.04	.03	.02	.03	.03	.02	.02	.02	.03	.032	23	.11
28	.03	.02	.02	.01	.02	.02	.06	.10	.11	.07	.05				.01	.01	.02	.02	.02	.02	.04	.07	.12	.15	.047	21	.16
29	.16	.13	.09	.10	.10	.14	.23	.30	.28	.22	.15	.08	.02	.01		.02	.02	.02	.03	.05	.08	.08	.07	.08	.106	23	.31
30	.08	.05	.04	.03	.03	.04	.06	.06	.06	.08	.04	.02	.01	.01		.01	.01	.01	.01	.01	.02	.05	.06	.13	.039	23	.16
31	.16	.13	.10	.08	.08	.09	.13	.18	.19	.12	.05	.02	.01	.01			.01	.01	.02	.03	.06	.06	.13	.11	.080	22	.20
MEAN							.15	.18	.12	.07	.04						.02	.02	.02	.03	.03	.05	.05			342	
NO	13	15	14	12	12	14	17	17	18	17	16	12	12	12	1	10	17	16	16	16	16	17	17	15			
MAX	.16	.19	.27	.33	.28	.27	.69	.75	.45	.22	.15	.08	.03	.04	.01	.04	.04	.03	.04	.07	.08	.19	.16	.20	.159		1.01

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-18

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CINCINNATI, OHIO

NITRIC OXIDE
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1*	.12	.09	.07	.06	.04	.05	.05	.05	.09	.06	.05	.04	.03	.03			.01	.02	.03	.03	.03	.04	.03	.02	.046	22	.12
2*	.03	.03	.03	.02	.03	.03	.03	.03	.03	.03	.01	.00	.00			.00	.00	.00	.00	.00	.02	.05	.10	.12	.026	22	.13
3	.10	.05	.02	.01	.01	.03	.05	.10	.11	.05	.05	.01	.00	.00		.01		.01	.03	.04	.04	.01	.01	.04	.035	22	.16
4	.20	.21	.29	.26	.25	.32	.44	.86	.72	.19	.03				.01	.03	.02	.02	.01	.02	.02	.03	.03	.04	.191	21	1.15
5	.07	.20	.24	.27	.27	.31	.40	.62	.31	.09	.06	.02	.02	.01			.02	.01	.01	.01	.01	.11	.18	.29	.160	22	.72
6	.26	.21	.20	.20	.18	.23	.34	.52	.34	.07	.05	.02	.01	.00			.01	.01	.01	.01	.02	.09	.18	.24	.146	22	.58
7	.28	.29	.22	.19	.23	.30	.44	.70	.83	.37	.03	.02	.01	.01		.01	.02	.01	.02	.02	.02	.02	.15	.21	.191	23	.89
8*	.24	.30	.32	.33	.35	.38	.42	.42	.31	.12	.05	.02	.01	.01		.01	.01	.01	.01	.01	.02	.05	.14	.15	.160	23	.44
9*	.18	.20	.20	.17	.17	.16	.17	.19	.14	.06	.02	.01	.01	.01		.01	.01	.00	.01	.01	.04	.04	.04	.04	.081	23	.22
10	.03	.03	.03	.03	.03	.06	.17		.14	.07	.02	.02	.00	.02			.03	.02	.02	.02	.02	.03	.03	.02	.039	21	.24
11	.02	.02	.06	.07	.06	.08	.17	.17	.11	.06	.02	.01				.02	.02	.01	.01	.02	.02	.02	.02	.02	.048	21	.22
12	.03	.03	.03	.03	.03	.03	.03	.06	.05	.03	.02	.02	.01	.01		.02	.01	.01	.01	.01	.02	.01	.01	.01	.022	23	.07
13	.01	.01	.01	.01	.01	.03	.05	.06	.04	.04	.03	.01	.01	.01		.00	.01	.00	.01	.01	.02	.06	.14	.11	.030	23	.15
14	.10	.08	.09	.06	.05	.05	.08	.12	.09	.05	.02	.02	.01	.01		.03	.04	.03	.02	.02	.04	.08	.12	.08	.056	23	.14
15*	.07	.06	.04	.03	.04	.05	.06	.06	.05	.06	.07	.04	.01				.01	.01	.01	.02	.03	.03	.03	.03	.037	21	.09
16*	.02	.01	.01	.01	.01	.01	.00	.01	.01	.02	.03	.02	.02	.02		.01	.01	.00	.00	.00	.00	.01	.01	.01	.010	23	.03
17	.01	.00	.00	.00	.00	.00	.03	.06	.05	.02	.01	.02	.02	.02		.02	.02	.01	.01	.00	.01	.04	.12	.16	.026	23	.17
18	.18	.19	.18	.13	.09	.08	.10	.12	.11	.04	.01	.00	.00	.00											.087	14	.21
19																											
20																											
21	.18	.16	.16	.14	.11	.13	.23	.17	.11	.03	.02	.03					.03	.03	.03	.02	.04	.05	.05	.05	.088	20	.25
22*	.03	.03	.03	.02	.02	.02	.03	.03	.03	.02	.03	.04	.02	.05			.05	.04	.04	.06	.07	.06	.07	.07	.038	22	.08
23*	.07	.05	.03	.03	.02	.02	.02	.03	.03	.04	.02	.02	.02	.01			.01	.01	.01	.02	.02	.03	.02	.02	.024	22	.08
24	.01	.00	.00	.00	.01	.01	.03	.04	.04	.03	.02	.01	.00	.02			.03	.02	.01	.02	.02	.03	.03	.03	.018	22	.06
25	.03	.01	.01	.01	.00	.01	.04	.05	.07	.07	.02	.04				.01	.01	.01	.01	.00	.00	.01	.01	.01	.020	21	.10
26	.01	.01	.01	.02	.04	.05	.11	.11	.05	.04	.05	.06	.04	.02		.01	.01	.01	.01	.01	.01	.01	.01	.01	.031	23	.12
27	.01	.00	.00	.00	.01	.02	.04	.06	.04	.04	.05	.04	.04	.04			.03	.02	.01	.01	.02	.01	.01	.01	.022	22	.07
28	.01	.01	.01	.01	.01	.02	.05	.07	.07		.03	.02	.02	.01		.01	.02	.01	.01	.02	.01	.02	.02	.01	.021	22	.10
29*	.01	.02	.02	.01	.01	.02	.03	.03	.02	.01	.01	.01	.01	.01			.01	.01	.01	.02	.02	.03	.02	.03	.015	22	.04
30*	.03	.02	.02	.01	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01		.01	.01	.02	.01	.01	.02	.03	.03	.02	.016	23	.04
MEAN	.08	.08	.08	.08	.07	.09	.13	.18	.14	.06	.03	.02	.01	.01		.01	.02	.01	.01	.02	.02	.04	.06	.07	.060		
NO.	29	28	28	28	28	28	28	27	28	27	28	27	24	22	1	16	26	27	27	27	27	27	27	27		611	
MAX	.28	.30	.32	.33	.35	.38	.44	.86	.83	.37	.07	.06	.04	.05	.01	.03	.05	.04	.04	.06	.07	.11	.18	.29	.191		1.15

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-19

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
JULY 1968

DAY OF MONTH	A M												P M												DAILY MEAN	NO OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1	.01		.01	.01	.01	.02	.04	.06	.04	.03	.02	.02	.02			.00	.02	.02	.03	.02	.01	.01	.03	.08	.024	21	.12
2																											
3																											
4		.17	.13	.13	.21	.22	.27	.26	.17	.02	.00				.00	.00	.00	.00	.00	.00	.00	.03	.08	.13	.090	20	.28
5	.12	.07	.10	.12	.06	.19	.18	.22	.06	.02	.01	.00	.00	.00		.00	.01	.01	.01	.01	.02	.04	.06	.12	.058	23	.27
6*	.15	.14	.13	.11	.08	.07	.09	.08	.03	.02	.02	.01	.00	.02		.00	.00	.00		.00	.02	.11	.07		.052	22	.19
7*	.01	.01	.00	.00	.09	.09	.13	.10	.03	.01	.01	.00	.00	.00		.00									.030	19	.15
8			.01	.02	.02	.03	.05	.03	.02	.00	.01	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.010	21	.05
9	.00	.00	.01	.01	.00	.00	.03	.06	.05	.01	.00	.00	.00	.00		.00	.00	.00	.00	.00	.01	.02	.03	.05	.013	23	.08
10	.05	.03	.03	.04	.07	.09	.12	.15	.15	.03	.01	.01	.01	.01		.01	.04	.04	.02	.02	.02	.02	.05	.03	.045	23	.20
11																											
12		.26	.25	.22	.21	.22	.30	.36	.17	.00	.01	.01	.00	.00			.00	.00	.00	.01	.00	.00	.02	.04	.099	21	.42
13*	.05	.07	.09	.11	.09	.06	.08	.07				.00	.00	.00		.00	.00	.00	.01	.00	.01	.01		.01	.033	19	.47
14*																											
15							.03	.09	.05	.04	.07	.08	.03	.01		.02	.02	.02	.02	.02	.02	.06	.05	.04	.037	17	.11
16	.03	.02	.02	.02		.03	.08	.09	.05	.04	.03	.02	.01	.01		.00	.00		.00	.00	.01	.01			.024	19	.13
17																											
18	.03					.04	.05	.08	.05								.00	.00	.00	.00	.01	.06	.04	.02	.030	13	.09
19	.02			.00	.00	.01	.03	.04	.02	.02	.01	.01	.01	.01			.01	.02	.02	.02	.01	.02	.03	.02	.016	20	.05
20*																											
21*																											
22																											
23																											
24																											
25																											
26																											
27*																											
28*																											
29																											
30																											
31																											
MEAN																											
NO	10	9	11	12	11	13	14	14	13	12	12	12	12	11	1	11	13	12	13	12	13	13	11	12		277	
MAX	.15	.26	.25	.22	.21	.22	.30	.36	.17	.04	.07	.08	.03	.02	.00	.02	.04	.04	.03	.02	.02	.06	.11	.13	.099		.47

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

ALDEN ELECTRONIC & IMPULSE RECORDING EQUIPMENT CO., INC. WESTBOROUGH, MASSACHUSETTS U.S.A.

Table 3-20

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CINCINNATI, OHIO

NITRIC OXIDE
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1																											
2		.00	.00	.00	.00	.02	.04	.05	.05			.00		.00			.01	.01	.02		.01	.03	.03	.05	.018	17	.07
3*																											
4*																											
5																											
6																											
7																											
8																											
9																											
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11*																											
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17*																											
18*																											
19																											
20																											
21																											
22																											
23																											
24*																											
25*																											
26																											
27		.05				.05	.12	.12		.05	.04	.04	.04	.03		.01	.01	.01	.01	.01	.01	.04	.02	.01	.037	18	.14
28	.01	.01	.01	.05	.08	.14	.16	.17	.06	.02	.01	.01	.01	.01		.01	.00	.00	.00	.00	.00	.01			.036	21	.24
29		.01	.01					.07	.03	.02	.01	.00	.00	.00		.01	.02	.01	.01	.01	.03	.15	.26	.20	.047	18	.28
30	.15	.09	.12	.07	.04	.21	.22	.40	.21	.03	.01	.01	.01	.01											.113	14	.49
31*																											
MEAN	2	3	4	3	3	4	4	5	4	4	4	5	4	5		3	4	4	4	3	4	4	3	3		88	
NO	.15	.09	.12	.07	.08	.21	.22	.40	.21	.05	.04	.04	.04	.03		.01	.02	.01	.02	.01	.03	.15	.26	.20	.113		.49
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-21

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CINCINNATI, OHIO

NITRIC OXIDE
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1*																											
2																											
1																											
2																											
3																											
4		.01	.01	.00	.01	.02	.02	.04	.05	.05	.02	.01	.01	.00											.019	13	.06
5*		.00	.01	.01	.01	.04	.03	.06	.04	.03	.03	.02	.02	.02		.01	.02	.03	.03	.02	.01	.02	.02	.01	.022	22	.07
6*	.01	.01	.01	.01	.01	.03	.07	.07	.06	.04	.02	.02	.02	.01		.02	.02	.02	.02	.03	.05	.05	.04	.06	.031	23	.09
7	.04	.04	.04	.06	.11	.07	.14	.13	.11	.08	.05	.04	.03			.01	.01	.01	.01	.05	.12	.14	.14	.19	.073	22	.21
8	.16	.15	.10	.08	.09	.03	.03	.03	.02	.01	.00	.00				.00	.00	.00	.00	.00	.01	.02	.02	.02	.035	21	.22
9																											
10																											
11																											
12*																											
13*																											
14																											
15																											
16																											
17																											
18																											
19*																											
20*																											
21		.07	.06	.04	.07	.12	.15	.23	.16	.07	.04	.01	.01	.01		.01	.01	.00	.01	.10	.10	.17	.22	.18	.082	22	.26
22	.14	.15	.10	.09	.10	.08	.10	.11	.09	.05	.03	.03	.02	.02			.01	.00	.01	.06	.08	.13	.09	.05	.069	22	.16
23																											
24																											
25																											
26*																											
27*																											
28																											
29																											
30																											
MEAN NO. MAX	4 .16	7 .15	7 .10	7 .09	7 .11	7 .12	7 .15	7 .23	7 .16	7 .08	7 .05	7 .04	6 .03	5 .02		5 .02	6 .02	6 .03	6 .03	6 .10	6 .12	6 .17	6 .22	6 .18	.082	145	.26

* Indicates Saturday or Sunday
Local standard time used

TABULATED

WED., SEP. 10, 1969

5165

CONTINUOUS AIR MONITORING PROGRAM

Table 3-22

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2																											
3																											
4																											
5*																											
6*																											
7																											
8																											
9																											
10																											
11																											
12*																											
13*																											
14																											
15	.21	.10	.04	.03	.03	.07	.12	.14	.05	.02	.02	.00	.00	.01		.00	.01	.00	.00	.02	.02	.03	.13	.15	.053	23	.25
16	.17	.03	.01	.01	.01	.05	.06	.08	.06	.04	.03	.01	.00	.00			.01	.01	.02	.04	.20	.13	.03	.00	.045	22	.46
17	.00	.00	.00	.00	.00	.00	.01	.03	.05	.03	.02	.02	.01	.01		.01	.01	.00	.00	.01	.01	.00	.01	.00	.010	23	.09
18	.01	.01	.01	.01	.01	.01	.02	.02	.02	.03	.02	.02	.02	.02			.02	.02	.02	.03	.03	.05	.05	.03	.021	22	.07
19*	.03	.01	.01	.01	.00	.00	.00				.00	.00				.00	.00		.05	.21	.37	.29	.19	.20	.080	17	.45
20*	.21	.10	.04	.03	.00	.02	.04	.05	.09	.07	.02	.01	.00	.00				.01	.05	.16	.49	.36	.20	.17	.101	21	.65
21	.14	.12	.14	.21	.28	.32	.76	.77	.56		.08	.02	.01						.07	.24	.26	.25	.25	.04	.250	18	1.00
22	.02	.01	.01	.01	.01	.01	.03	.05	.05	.04	.03	.01	.01	.01		.01	.01	.01	.02	.02	.02	.01	.02		.020	22	.08
23																											
24		.28	.22	.13	.10	.23	.31	.36	.23	.11	.05	.03	.02				.04	.02	.03	.04	.02	.05	.04	.01	.114	20	.38
25	.01	.01	.00	.01	.01	.01	.03	.05	.05	.06	.04	.05	.03	.03		.04	.05	.04	.02	.01	.01	.02	.03	.03	.027	23	.09
26*	.01	.00	.00	.00	.00	.01	.02	.06	.06	.04	.01	.01	.00	.00		.01				.06	.09	.07	.06	.01	.026	20	.10
27*																											
28																											
29																											
30	.15	.14	.12	.14	.12	.10	.17	.31	.32	.28	.18									.08	.15	.11	.33	.34	.189	16	.41
31	.31	.27	.25	.25	.24	.21	.22	.19	.14	.11									.51	.82	1.02	.35	.16		.336	15	1.26
MEAN	12	13	13	13	13	13	13	12	12	11	12	11	10	8		6	8	8	11	13	13	13	13	11		262	
NO	.31	.28	.25	.25	.28	.32	.76	.77	.56	.28	.18	.05	.03	.03		.04	.05	.04	.51	.82	1.02	.36	.33	.34	.336		1.26
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-23

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
NOV. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX.
1		.06	.01	.00	.01	.01	.07	.10	.10	.08	.03	.01	.01	.01		.01	.01	.02	.02	.05	.04	.02	.01	.01	.031	23	.12
2*	.03		.03	.02		.03	.03	.04					.03			.02	.06	.09	.12	.13	.14	.16	.11	.11	.074	16	.19
3*	.19	.07	.06	.04	.02	.02	.03	.02	.02	.02	.02	.02	.01	.00		.01	.02	.01	.01	.01	.01	.01	.02	.01	.026	23	.22
4																											
5		.20	.14	.26	.26	.20	.24	.18	.19	.24	.20	.14	.12	.08					.11	.13		.10			.179	16	.38
6		.11								.29		.15	.10	.12			.10	.15	.14	.13	.16	.17	.12	.12	.143	13	.34
7	.11	.09	.08	.08	.07	.04	.04	.13	.14	.11	.09	.06	.03	.05			.05	.06	.05	.04	.03	.04	.01	.01	.064	22	.20
8	.00	.00	.01	.01	.01	.00	.02		.06	.05	.05			.03			.04	.04	.04	.04		.06	.06	.03	.030	18	.08
9*																											
10*	.05			.14	.17	.11		.09	.06	.05	.04	.05	.05						.07	.17	.28	.26	.34	.39	.145	16	.49
11	.25	.10	.09		.09	.10	.12	.16	.13	.13	.08	.08	.10	.09					.09	.08	.06	.04	.04	.03	.097	19	.45
12																											
13		.03	.03	.01	.00		.04				.03		.03			.03		.05	.08	.14	.08	.10	.03	.02	.046	15	.17
14				.03	.00	.00	.00	.03	.06	.07	.05	.04	.03	.04			.07	.06	.07	.07	.04	.03	.04	.03	.039	19	.09
15		.00	.01	.01	.01	.01	.02		.04	.04	.05	.05					.09	.09	.08	.08	.09	.08	.09	.10	.052	18	.14
16*	.05	.04		.00			.00		.05	.04	.01	.01	.00	.00			.03	.02	.02	.02		.01	.01	.01	.019	17	.08
17*	.01	.01	.01	.01	.01	.01	.01	.01		.01	.01	.01	.02	.01		.00	.01	.01	.01	.02	.01	.03	.02	.01	.012	22	.08
18	.01	.01	.01	.01		.00	.00	.01	.03	.02	.02	.02	.02	.02			.02	.02	.02	.01	.00	.00	.00	.01	.013	21	.05
19	.00	.00	.01	.00			.00	.02	.02	.03	.03	.02	.02				.02	.02	.02	.02	.02	.02	.02	.02	.015	19	.07
20	.01	.02	.02		.01	.02		.03	.03	.02	.03	.03	.02	.02			.03	.03	.02	.02	.01	.01	.02		.020	19	.05
21		.01	.01	.01	.01	.01	.02	.06		.03	.02		.02	.01			.02		.02	.02					.019	14	.08
22																											
23*		.15	.10	.06	.04	.02	.03	.03	.03	.03	.03	.02	.01	.00			.02	.01	.01	.02	.02	.01	.01		.032	20	.17
24*	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01		.01	.01	.02	.02	.06	.07	.10	.10	.07	.024	23	.12
25	.02	.02	.02			.04	.06	.13	.19	.12	.08	.05	.05	.03				.06	.19	.35	.37	.23	.11	.08	.115	19	.44
26																											
27																											
28																											
29		.03	.03	.03	.04	.03	.04	.04	.04	.05	.06	.05	.04	.04		.02	.02	.02	.02	.01	.01	.01	.01	.02	.029	22	.08
30*																											
MEAN		.05	.04	.04	.04	.04	.04	.06	.07	.07	.05	.05	.04	.03		7	.04	.04	.05	.07	.06	.07	.06	.06	.052	413	
NO	13	19	18	18	16	18	19	17	17	20	20	18	20	17			17	18	22	22	18	21	20	18			
MAX	.25	.20	.14	.26	.26	.20	.24	.18	.19	.29	.29	.15	.12	.12		.03	.10	.15	.19	.35	.37	.24	.34	.39	.179		.49

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

5167

Table 3-24

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN. MAX.
1*																											
2																											
3																											
4																											
5																											
6																											
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28*																											
29*																											
30																											
31																											
MEAN																									.000		.00
NO																											
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

MASTER COPY DO NOT REMOVE FROM FILES

Table 3-25

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CINCINNATI, OHIO

NITROGEN DIOXIDE
JAN. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1	.02		.02	.02	.02	.02	.02	.01	.02	.02	.01	.02	.02	.02			.02	.03	.03	.03	.03	.03	.03	.03	.022	21	.03
2	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03		.02	.02	.02			.03	.02	.02	.02	.02	.03	.02	.02	.025	21	.03
3	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02						.03	.04	.04	.04	.03	.03	.03	.03	.025	19	.04
4	.03	.03	.03	.03	.03	.03	.03	.03	.02				.01	.01			.02	.02	.02	.02	.02	.02	.02	.02	.023	19	.03
5	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03						.03	.03	.03	.03	.03	.03	.03	.03	.03	.026	19	.04
6*	.03	.03	.03	.03	.03	.03	.03	.02		.03	.03	.04	.04	.04			.04	.04	.04	.03	.03	.03	.03	.03	.032	21	.04
7*	.03	.03	.02	.02	.03	.03	.02	.02	.02	.02	.02	.02	.03	.03			.03	.03	.03	.03	.03	.03	.03	.03	.026	22	.03
8	.03	.03	.03	.03	.03	.03	.04	.04	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.031	23	.04
9	.03	.03	.03	.03	.03	.02	.03	.03	.03	.02	.02	.03	.03	.03		.02	.03	.03	.03	.03	.02	.02	.02	.02	.027	23	.04
10																											
11																											
12																											
13*		.03	.03	.03	.03	.03	.02	.03			.02	.03	.03	.03	.01	.02	.03	.03	.03	.02	.02	.02	.02	.03	.024	21	.07
14*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.020	23	.06
15	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02			.03	.03	.02	.03	.03	.02	.03	.02	.022	22	.03
16	.02	.02	.02	.02	.02	.02	.02	.03	.03								.03	.04	.03	.04	.04	.03	.03	.03	.028	17	.04
17	.03	.03	.03	.03						.04	.03	.04	.04	.04			.03	.04	.04	.04	.04	.03	.03	.03	.034	17	.04
18	.03	.04	.03	.04	.03	.03	.03	.03	.04	.05	.06	.05	.05	.04			.04	.04	.04	.04	.04	.04	.04	.04	.039	22	.06
19	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.02						.03	.03	.04	.04	.04	.03	.03	.03	.032	19	.04
20*	.03	.03	.03	.03	.03	.03	.02	.03		.04	.04	.04	.04	.04			.04	.04	.04	.04	.04	.04	.04	.04	.035	21	.05
21*	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02			.03	.03	.03	.02	.02	.02	.02	.02	.025	22	.03
22	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03			.03	.03	.03	.03	.03	.03	.03	.03	.026	22	.04
23	.02	.02	.02	.02	.02	.02	.02	.01		.03	.02	.02	.02	.02			.02	.02	.02	.02	.02	.02	.02	.02	.019	21	.03
24	.02	.02	.02	.02	.02	.02	.02	.02									.02	.02	.02	.02	.02	.02	.02	.02	.019	16	.02
25	.02	.02	.01	.01	.02	.01	.01							.04			.04	.04	.04	.04	.03	.04	.04	.04	.028	16	.04
26	.04	.04	.03	.04	.03	.03	.03	.03				.02	.02	.02			.02	.03	.03	.03	.03	.03	.04	.04	.029	19	.05
27*	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04			.04	.04	.04	.03	.03	.03	.03	.03	.034	22	.07
28*	.03	.03	.03	.02	.02	.02	.02	.02	.03	.03	.03	.03	.02	.03			.03	.04	.03	.03	.04	.03	.03	.04	.028	22	.04
29	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.03	.03			.03	.03	.03	.03	.03	.03	.03	.03	.031	22	.04
30	.03	.03	.02	.02	.02	.02	.02	.01	.02	.02	.01	.01	.02	.02			.02	.02	.02	.02	.02	.02	.02	.02	.019	22	.03
31	.02	.02	.02	.02	.02	.02	.02	.02									.02	.02	.02	.02	.02	.02	.02	.02	.019	16	.04
MEAN	.03	.03	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03			.03	.03	.03	.03	.03	.03	.03	.03	.027		
NO.	27	27	28	28	27	27	27	26	19	21	20	20	21	22	1	5	28	28	28	28	28	28	28	28		570	
MAX	.04	.04	.04	.04	.03	.03	.04	.04	.04	.05	.06	.05	.05	.04	.01	.03	.04	.04	.04	.04	.04	.04	.04	.04	.039		.07

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

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CONTINUOUS AIR MONITORING PROGRAM

Table 3-26

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
FEB. 1969

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX
1	.02	.02	.02	.02	.02	.01	.02	.02	.02	.02	.02	.02	.01	.01			.02	.02	.02	.02	.02	.02	.02	.02	.018	22	.03
2	.01	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01			.02	.02	.02	.02	.02	.02	.02	.02	.015	22	.02
3*	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02			.02	.02	.02	.02	.03	.03	.03	.03	.021	22	.03
4*	.03	.03	.02	.02	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02			.01	.02	.02	.03	.03	.03	.03	.03	.022	22	.03
5	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02			.02	.03	.03	.03	.03	.03	.03	.03	.023	22	.03
6	.03	.03	.03	.03	.03	.03	.03	.04	.05		.07	.11	.12	.08			.04	.05	.04	.05	.06	.06	.06	.06	.052	21	.13
7	.05	.05	.06	.05	.05	.05	.05	.05	.05	.05	.04	.04	.05	.04			.04	.04	.04	.04	.04	.04	.05	.05	.046	22	.08
8	.04	.04	.03	.03	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03							.02	.02	.02	.02	.027	18	.05
9	.02	.02	.02	.02	.01	.01	.02	.02	.02	.01	.01	.02	.02	.02			.02	.02	.02	.02	.02	.02	.02	.02	.017	22	.02
10*	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02			.02	.02	.02	.02	.02	.02	.02	.02	.019	22	.03
11*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02			.02	.02	.02	.02	.02	.02	.02	.02	.020	22	.02
12	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02			.02	.02	.02	.02	.02	.02	.02	.02	.020	22	.03
13	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01			.02	.02	.03	.03		.04	.04	.03	.022	21	.04
14			.03	.03	.03	.03	.03	.03	.03	.03	.02	.03	.02	.02			.02	.02	.02	.02	.03	.03	.02	.02	.025	20	.05
15																											
16																											
17*		.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01			.01	.01	.02	.02	.02	.02	.02	.02	.014	21	.03
18*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01		.01	.02	.02	.02	.02	.03	.03	.03	.03	.019	23	.07
19	.03	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02	.03	.03	.03			.03	.03	.03	.02	.02	.02	.02	.02	.027	22	.03
20	.02	.03	.03	.02	.02	.02	.02	.02	.03	.02			.01	.01			.02	.02	.02	.02	.01	.01	.01	.02	.019	20	.03
21	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.021	23	.07
22	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01			.01	.02	.02	.02	.02	.02	.02	.02	.018	22	.03
23	.02	.02	.02	.01	.01	.01	.01	.02	.02	.02	.02	.03	.01	.01			.03	.03	.03	.04	.04	.04	.04	.04	.023	22	.04
24*	.04	.03	.03	.03	.03	.04	.03	.03	.04	.05	.05	.02	.02	.03			.02	.03	.03	.03	.03	.02	.02	.02	.030	22	.06
25*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01		.01	.01	.02	.02	.02	.03	.03	.04	.03	.020	23	.04
26	.04	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.03	.02	.02			.02	.03	.02	.02	.03	.03	.03	.02	.028	22	.05
27	.02	.02	.02	.02	.02	.02	.01	.01	.02	.02				.04			.03	.03	.03	.02	.02	.02	.02	.02	.021	19	.05
28	.02	.01	.02	.01	.01	.02	.02	.02	.02	.02	.03	.02	.02	.02			.03	.03	.03	.03	.04	.03	.03	.03	.023	22	.05
29	.03	.03	.03	.02	.02	.02	.02	.03	.03	.02	.02	.02	.02	.02			.02	.03	.03	.03	.03	.02	.02	.02	.024	22	.03
MEAN	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02			.02	.02	.02	.02	.03	.03	.03	.03	.023		
NO	25	26	27	27	27	27	27	27	27	26	25	25	26	27		3	26	26	26	26	26	27	27	27		583	
MAX	.05	.05	.06	.05	.05	.05	.05	.05	.05	.05	.07	.11	.12	.08		.02	.04	.05	.04	.05	.06	.06	.06	.06	.052		.13

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-27

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
MARCH 1968

DAY OF MONTH	A M												P M												DAILY MEAN	NO. OF HRS.	5-MIN MAX.
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.02	.02	.02			.02	.03	.03	.03	.03	.02	.02	.02	.024	23	.03
2*	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02	.02	.02	.03	.02			.02	.02	.02	.02	.03	.02	.02	.02	.022	22	.05
3*	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01		.02	.02	.02	.03	.03	.04	.04	.04	.04	.021	23	.04
4	.04	.03	.03	.03	.03	.04	.04	.04	.03	.03	.03	.03	.02	.02			.03	.03	.03	.04	.04	.04	.04	.04	.033	23	.05
5	.03	.03	.03	.03	.03	.03	.03	.04	.03	.03	.03	.02	.03	.02			.03	.03	.03	.04	.02	.01	.01	.01	.027	22	.06
6	.01	.01	.01	.01	.01	.01	.02	.02	.02	.01	.02	.02	.01	.02			.02	.02	.03	.03	.04	.04	.03	.03	.019	22	.06
7	.03	.02	.02	.02	.02	.03	.03	.03	.03	.03							.04	.04	.04	.05	.05	.05	.05	.05	.035	18	.06
8	.05	.05	.04	.04	.04	.04	.04	.05	.05	.05	.05	.03					.05	.06	.06	.05	.05	.05	.05	.05	.047	20	.06
9*	.02	.02	.02	.02	.02	.02	.03	.04	.04	.03	.02	.02	.03	.02			.04	.03	.03	.04	.05	.04	.04	.04	.029	22	.05
10*	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02			.02	.02	.02	.02	.01	.02	.02	.02	.021	22	.04
11	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.02	.02	.02			.02	.03	.03	.02	.02	.02	.02	.02	.020	22	.03
12	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.03									.03	.04	.02	.02	.02	.025	16	.04
13	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03							.03	.04	.04	.04	.06	.06	.06	.033	18	.06
14	.05	.05	.05	.05	.04	.05	.05	.04	.04	.04	.03	.03	.03	.03			.04	.05	.04	.05	.04	.04	.04	.03	.041	22	.06
15	.03	.03	.03	.03	.03	.03	.05	.05				.03	.03	.03			.05	.06	.06	.06	.06	.05	.05	.04	.041	19	.07
16*	.04	.04	.04	.04	.03	.03	.04	.04	.04	.03	.03	.03	.03	.03			.03	.03	.04	.05	.06	.06	.06	.05	.039	22	.06
17*	.05	.05	.04	.04	.04	.04	.04	.04	.05	.06	.08	.04	.02	.02		.03	.02	.02	.03	.04	.06	.06	.07	.06	.044	23	.09
18	.05	.05	.05	.05	.04	.04	.05	.05	.06	.07	.06	.04	.03	.02			.03	.03	.04	.05	.05	.05	.05	.05	.046	22	.07
19	.05	.04	.04	.04	.04	.04	.04	.04	.04	.03	.03	.04	.03	.01			.03	.05	.06	.05	.04	.03	.02	.04	.038	22	.07
20	.04	.03	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04					.03	.03	.03	.03	.03	.03	.03	.03	.036	20	.05
21	.03	.03	.02	.02	.02	.02	.03	.03	.04	.03	.03	.03				.02	.02	.02	.02	.02	.02	.02	.02	.02	.024	21	.04
22	.02	.03	.03	.01	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02		.04	.05	.04	.04	.03	.03	.03	.02	.02	.026	23	.05
23*	.02	.02	.02	.03	.02	.02	.02	.03	.03	.03	.02	.02	.02	.02		.03	.03	.03	.03	.03	.03	.03	.03	.02	.025	23	.04
24*	.02	.02	.02	.02	.02	.02	.03	.03	.02	.03	.03	.03	.03	.03		.03	.03	.03	.04	.06	.06	.06	.05	.05	.032	23	.07
25	.06	.05	.05	.05	.05	.05	.05	.06	.06	.06	.05	.04	.04	.04			.04	.04	.04	.04	.05	.05	.05	.05	.048	22	.06
26	.05	.05	.04	.03	.03	.03	.04	.04	.04	.04	.03	.03	.03	.02			.03	.03	.04	.06	.06	.05	.04	.03	.038	22	.06
27	.03	.02	.03	.05	.04	.05	.05	.05	.05	.05	.05	.03	.02	.02			.04	.05	.05	.05	.06	.06	.05	.04	.043	22	.06
28	.03	.03	.02	.03	.03	.05	.04	.05	.04	.03	.03	.03	.03	.03			.03	.03	.03	.04	.04	.04	.04	.04	.035	22	.05
29	.04	.03	.03	.03	.03	.03	.03	.04	.03	.03	.02	.02							.05	.04	.03	.04	.04	.04	.032	18	.05
30*	.04	.04	.03	.02	.02	.02	.02	.03	.02	.03	.02	.03	.03	.02			.02	.03	.03	.04	.03	.05	.05	.05	.031	22	.05
31*	.04	.03	.02	.03	.03	.02	.02	.02	.02	.02	.02	.03	.02	.02			.02	.03	.03	.03	.02	.01	.01	.01	.023	22	.05
MEAN	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02			.03	.03	.04	.04	.04	.04	.04	.03	.032		
NO	31	31	31	31	31	31	31	31	30	30	29	28	24	24		6	28	29	30	31	31	31	31	31		661	
MAX	.06	.05	.05	.05	.05	.05	.05	.06	.06	.07	.08	.04	.04	.04		.04	.05	.06	.06	.06	.06	.06	.07	.06	.048		.09

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

R171

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-28

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CINCINNATI, OHIO

NITROGEN DIOXIDE
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.01		.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03			.03	.04	.03	.04	.05	.05	.05	.04	.028	21	.05
2	.04	.03	.03	.03	.03	.04	.04	.04	.04	.04	.03	.03	.04	.04			.04	.05	.05	.05	.05	.04	.05	.04	.039	22	.05
3	.04	.03	.02	.02	.02	.02	.03	.04	.04	.03	.04					.03	.03	.04	.03	.03	.03	.02	.02	.02	.029	20	.05
4	.02	.02	.03	.02			.03	.04	.03		.04	.04	.03	.02			.04	.03	.03	.03	.03	.03	.03	.02	.028	19	.04
5	.02	.02	.02	.02	.02	.02	.02	.03	.03	.02	.02	.02	.02	.03		.03	.04	.04	.04	.03	.03	.03	.03	.03	.026	23	.04
6*	.03	.02	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02			.02	.02	.02	.02	.04	.05	.05	.05	.027	22	.06
7*	.05	.04	.04	.04	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02		.03	.04	.03	.04	.03	.03	.03	.03	.03	.032	23	.06
8	.03	.03	.01	.01	.01	.02	.04	.04	.04	.03	.03	.03	.03	.02			.03	.04	.04	.04	.04	.03	.04	.03	.030	22	.05
9	.03	.04	.04	.04	.04	.04	.04	.04	.03	.03	.02					.02	.03	.04	.03	.05	.05	.04	.05	.05	.038	20	.05
10	.05	.05	.05	.06	.05	.05	.05	.05	.04	.06	.05	.03	.03				.04	.03	.03	.04	.04	.04	.03	.03	.042	21	.08
11	.03	.04	.04	.04	.03	.03	.04	.05	.06	.05	.05		.02					.03		.06	.05	.04	.03		.041	17	.07
12	.03	.02	.02	.03	.04	.05	.05	.05									.04	.03	.03	.04	.04	.04	.04		.037	16	.06
13*	.03	.03	.03	.02	.02	.02	.01	.01	.01	.01	.01						.03	.05	.04	.04			.03	.04	.025	17	.05
14*	.04	.03			.01	.01	.01	.01	.01	.01	.01	.02	.01			.01	.01	.01	.01	.01	.00	.00	.00	.01	.011	20	.04
15	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.02	.02			.03	.04	.03	.03	.04	.05	.05	.05	.020	22	.06
16	.05	.04	.04	.04	.04	.03	.03	.04	.04	.03	.02	.02					.04	.04	.04	.05	.05	.06	.05	.04	.040	20	.06
17	.05	.04	.04	.02	.02	.04	.04	.04	.05	.04	.05	.05	.05	.05			.05	.05	.05	.05	.04	.03	.04	.03	.040	22	.06
18	.03	.03	.04	.03	.03	.04	.04	.04	.04	.03	.03	.02	.02	.02			.03	.04	.03	.03	.03	.03	.04	.03	.032	22	.05
19	.02	.02	.02	.03	.04	.04	.04	.04	.05	.05	.02	.02	.02	.03			.02	.04	.03	.03	.04	.04	.04	.03	.032	22	.07
20*	.03	.03	.03	.03	.02	.02	.02	.03	.03	.04	.03	.03	.02	.02			.02	.02	.02	.04	.05	.04	.04	.04	.029	22	.05
21*	.04	.03	.03	.03	.03	.03	.03	.02	.01	.01	.01	.01	.01	.02			.01	.02	.02	.03	.04	.04	.04	.04	.024	23	.05
22	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04		.02	.03	.02		.01	.03	.03	.03	.03	.05	.05	.04	.04	.035	21	.08
23	.04	.03	.03	.03	.02	.02	.03	.03	.02	.02	.03	.02	.03	.04			.04	.03	.02	.02	.03	.02	.02	.02	.026	22	.05
24	.01	.02	.01	.01	.02	.02	.03	.03	.03	.02	.02	.02					.03	.03	.03	.03	.03	.03	.03	.02	.024	20	.06
25	.02	.02	.02	.01	.01	.01	.02	.03	.02	.03	.02	.02	.02	.02			.03	.04	.03	.03	.04	.05	.05	.05	.027	22	.07
26	.05	.05	.04	.04	.04	.04	.04	.04	.04	.03	.03	.02	.02	.03			.03	.04	.04	.04	.03	.03	.03	.02	.035	22	.05
27*	.03	.03	.03	.02	.02	.02	.02	.02	.03	.02	.02	.02	.01	.01			.02	.03	.02	.02	.04	.04	.03	.04	.024	22	.05
28*	.05	.05	.05	.05	.05	.05	.05	.05	.04	.02	.02	.01	.01	.01		.00	.01	.01	.02	.02	.04	.04	.04	.03	.030	23	.06
29	.07	.08	.08	.06	.05	.04	.05	.06	.06	.05	.05	.03	.04	.03			.03	.03	.03	.04	.07	.09	.08	.07	.054	22	.09
30	.06	.06	.06	.04	.02	.03	.04	.03	.03	.02	.02	.02					.02	.02	.02	.02	.03	.04	.04	.04	.033	20	.07
MEAN	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02	.02			.03	.03	.03	.03	.04	.04	.04	.03	.031		
NO	30	29	29	29	29	29	30	30	29	28	28	25	23	20		7	29	30	29	29	29	29	30	30		630	
MAX	.07	.08	.08	.06	.05	.05	.05	.06	.06	.06	.05	.05	.05	.05		.03	.05	.05	.05	.05	.07	.09	.08	.07	.054		.09

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-29

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

NITROGEN DIOXIDE
MAY 1968

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.04	.03	.02	.02	.02	.03	.03	.03	.04	.05	.03	.02	.02	.02		.03	.03	.03	.03	.03	.04	.04	.04	.03	.030	23	.06
2	.02	.02	.02	.03	.03	.05	.05	.05	.05	.04	.03	.02	.02	.02		.03	.04	.03	.03	.04	.06	.06	.05	.05	.035	23	.06
3	.05	.02	.05	.05	.04	.04	.05	.04	.03	.03	.03	.02	.03	.02		.02	.02	.03	.03	.04	.03	.03	.03	.04	.032	23	.06
4*	.02	.01	.01	.01	.01	.02	.03	.03	.03	.02	.02	.01	.01	.01		.01	.01	.01	.02	.02	.02	.01	.01	.01	.016	23	.03
5*	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01		.01	.01	.01	.01	.01	.02	.02	.02	.01	.011	23	.02
6	.01	.02	.02	.02	.02	.02	.02	.02	.04	.03	.02	.02	.01	.01		.02	.02	.02	.02	.02	.03	.04	.04	.03	.022	23	.05
7	.02	.02	.01	.01	.01	.02	.04	.04	.03	.03	.02					.03	.04	.03	.03	.03	.04	.06	.05	.04	.031	20	.06
8	.03	.02	.02	.03	.03	.04	.05	.05	.04	.05	.04	.02	.02	.02			.03	.03	.03	.04	.03	.03	.03	.03	.032	22	.05
9	.04	.04	.04	.02	.02	.03	.04	.04	.04	.04	.04	.04	.03	.03			.04	.04	.04	.04	.04	.04	.03	.03	.035	22	.04
10	.03	.04	.03	.03	.03	.03	.03	.03	.03		.04	.05	.05	.06			.06	.07	.06	.07	.07	.05	.06	.06	.046	22	.07
11*	.06	.04	.03	.01	.01	.02	.03	.03	.03	.03			.03				.02	.03	.03	.03	.03	.03	.03	.03	.028	19	.06
12*	.02	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02			.02	.02	.02	.02	.03	.03	.04	.04	.073	22	.05
13	.05	.03							.04	.04	.03	.02	.01	.02			.03	.03	.03	.03	.04	.03	.03	.02	.030	16	.05
14	.02	.02	.02	.02	.02	.04	.05	.05	.04	.05	.03					.02	.02	.02	.03	.03	.03	.02	.02	.02	.028	20	.05
15	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02	.02			.03	.03		.03	.02	.01			.021	19	.05
16	.02	.01	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01	.01	.02			.03	.02	.03	.03	.04	.04	.05	.04	.021	22	.05
17	.03	.04	.04	.04	.04	.03	.04	.03	.03	.03	.03	.02	.03	.02			.03	.03	.02	.03	.02	.02	.03	.02	.029	22	.04
18*	.02	.02	.01	.01	.01	.01	.02	.02	.02	.01	.01	.01	.01	.01		.01	.01	.02	.03	.03	.05	.05	.04	.02	.019	23	.05
19*	.02	.03	.02	.01	.01	.02	.01	.02	.02	.02	.00	.01	.01	.01		.01	.01	.01	.01	.02	.02	.02	.03	.03	.016	23	.04
20	.03	.02	.02	.03	.03	.04	.04	.03	.03	.03	.04	.04	.03	.02			.03	.04	.03	.03	.03	.03	.03	.03	.030	22	.04
21	.03	.03	.03	.03	.04	.03	.03	.03	.03	.03	.02				.01	.01	.02	.02	.02	.02	.04	.03	.03	.03	.026	21	.04
22	.03	.03	.03	.03	.03	.03	.03	.05	.07	.04	.03	.03	.01	.02			.03	.03	.03	.03	.03	.04	.03	.03	.032	22	.08
23	.03	.02	.02	.01	.07	.02	.01	.03	.05	.04	.04			.03			.04	.04	.03	.04	.04	.03	.03	.02	.032	20	.11
24	.02	.01	.02	.02	.01	.02	.02	.02			.01	.01	.02	.02		.03	.04	.04	.03	.01	.04	.03	.01	.04	.022	21	.07
25*																											
26*		.03	.02	.02	.01	.01	.01	.01	.02	.01	.01	.02	.02	.01		.02	.02	.02	.02	.02	.02	.02	.02	.02	.017	22	.03
27	.02	.01	.01	.01	.01	.02	.03	.03	.03	.03	.02	.02	.02	.02			.03	.03	.03	.03	.03	.03	.04	.04	.023	22	.04
28	.04	.03	.03	.03	.03	.03	.04	.03	.03	.04	.03					.02	.04	.04	.04	.04	.05	.05	.05	.05	.036	20	.06
29	.04	.04	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.02	.03			.03	.04	.04	.04	.05	.04	.04	.04	.038	22	.05
30	.04	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02			.02	.02	.02	.02	.04	.04	.04	.05	.026	22	.05
31	.04	.04	.03	.03	.03	.03	.03	.04	.04	.03	.02	.02	.02	.01			.02	.02	.03	.04	.05	.05	.05	.05	.033	22	.09
MEAN	.03	.02	.02	.02	.02	.03	.03	.03	.03	.03	.02	.02	.02	.02	1	14	.03	.03	.03	.03	.03	.03	.03	.03	.027		
NO	29	30	29	29	29	29	29	29	29	28	29	24	25	25	1	14	30	30	29	30	30	30	29	29		645	
MAX	.06	.04	.05	.05	.07	.05	.05	.05	.07	.05	.04	.05	.05	.06	.01	.03	.06	.07	.06	.07	.07	.07	.06	.06	.046		.11

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

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Table 3-30

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1*	.05	.04	.04	.04	.03	.03	.03	.04	.04	.04	.03	.03	.02	.02			.02	.03	.03	.03	.03	.03	.02	.02	.030	22	.05
2*	.03	.02	.02	.02	.02	.02	.03	.02	.02	.02	.01	.01	.01	.01			.01	.01	.02	.03	.04	.04	.04	.04	.021	22	.04
3	.03	.02	.03	.02	.03	.04	.04	.04	.04	.03	.03	.02	.02	.02			.02	.02	.03	.03	.03	.04	.04	.04	.030	22	.05
4	.05	.05	.05	.04	.04	.04	.05	.08	.10	.07	.02				.01	.02	.02	.01	.01	.02	.02	.03	.03	.03	.037	21	.12
5	.03	.05	.04	.04	.04	.04	.04	.06	.08	.06	.04	.01	.01	.02			.03	.02	.02	.02	.02	.05	.05	.05	.037	22	.10
6	.04	.04	.04	.03	.03	.03	.03	.05	.09	.06	.05	.03	.01	.01			.03	.02	.02	.03	.04	.05	.05	.05	.037	22	.09
7	.05	.05	.04	.04	.04	.04	.05	.07	.12	.11	.03	.01	.01	.01		.02	.03	.02	.02	.03	.03	.03	.05	.05	.041	23	.15
8*	.06	.05	.05	.05	.05	.05	.05	.06	.06	.05	.04	.02	.01	.01			.01	.01	.01	.01	.02	.03	.03	.03	.034	22	.06
9*	.02	.02	.02	.02	.02	.02	.02	.03	.04	.03	.02	.01	.00	.00		.00	.00	.00	.01	.02	.04	.04	.04	.04	.020	23	.05
10	.03	.04	.03	.03	.04	.04	.05	.06	.07	.05	.02	.02	.02	.02		.02	.03	.03	.03	.03	.04		.04	.02	.034	22	.08
11	.03	.04	.04	.03	.02	.03		.05	.06	.04	.02	.01				.03	.03	.03	.03	.02	.03	.03	.03	.03	.030	20	.07
12		.03	.03	.03	.04	.03	.03	.03	.03	.02	.02	.02	.02	.02			.03	.02	.02	.02	.03	.02	.02	.02	.025	21	.04
13	.02	.02	.02	.02	.03	.03	.03	.03	.02	.02	.03	.02	.02	.02		.03	.03	.02	.02	.03	.03	.04	.05	.05	.027	23	.05
14	.04	.04		.03	.03	.04	.04	.05	.05	.03	.03	.03	.02	.02			.03	.03	.03	.04	.04	.05	.04	.04	.035	21	.06
15*	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03	.02	.01		.01	.01	.01	.02	.03	.04	.05	.05	.04	.028	23	.06
16*	.02	.03		.02	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02		.02	.02	.02	.02	.02	.02	.03	.03	.03	.020	22	.04
17	.02	.01	.01	.01	.01	.01	.03	.03	.03	.02	.02	.03	.02	.02			.03	.02	.02	.02	.02	.04	.04	.04	.022	22	.05
18	.04	.04	.04	.03	.03	.03	.03	.03	.04	.03	.01	.01	.01	.01			.02	.02	.02	.03	.03	.04	.04	.04	.028	22	.05
19	.04	.03	.03	.03	.02	.03	.04	.04			.03	.03	.03	.02		.02	.02	.02	.02	.03		.03	.04	.04	.028	20	.05
20	.04	.03	.02	.02	.01	.03	.03	.03	.03	.02	.01	.01	.01	.01		.03	.03	.03	.02	.03	.03	.07	.07	.07	.028	23	.07
21	.05	.05	.05	.03	.03	.03	.03	.05	.06	.03	.02	.03					.03	.03	.03	.03	.04	.05			.036	18	.07
22*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.02			.04	.03	.03	.04	.04	.04	.04	.03	.025	22	.06
23*	.03	.03	.02	.02	.02	.02	.02	.03		.02		.03	.03	.02			.05	.03	.02	.02	.02	.02	.02	.03	.024	20	.09
24	.03	.02	.02	.01	.02	.02	.02	.02	.02	.03	.02	.02	.02	.03											.021	14	.06
25		.02	.03	.02	.01	.03	.03	.02	.02	.02	.02	.02				.02	.02	.02	.02	.02	.03	.03	.02	.02	.021	20	.07
26	.02	.03	.02	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02			.02	.02	.02	.02	.02	.02	.03	.02	.021	22	.04
27	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03			.02	.02	.02	.02	.02	.01	.01	.01	.018	22	.04
28	.01	.01	.01	.02	.01	.01	.02	.02	.01	.01	.01	.01	.01	.02			.03	.02	.02	.03	.03	.03	.03	.03	.017	22	.05
29*	.02	.03	.02	.02	.02	.03			.02	.02	.02	.02	.02	.02				.03	.02	.03					.022	14	.04
30*																											
MEAN	.03	.03	.03	.03	.03	.03	.03	.04	.04	.03	.02	.02	.02	.02			.02	.02	.02	.02	.03	.03	.04	.03	.028		
NO	27	29	27	29	29	29	27	28	27	28	28	28	25	25	1	11	27	28	28	28	26	26	26	26		613	
MAX	.06	.05	.05	.05	.05	.05	.05	.08	.12	.11	.05	.03	.03	.03	.01	.03	.05	.03	.03	.04	.04	.07	.07	.07	.041		.15

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-31

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

NITROGEN DIOXIDE
JULY 1968

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1																											
2																											
3																											
4		.05	.05	.05	.05	.05	.05	.07	.07	.04	.03				.02	.02	.02	.02	.02	.02	.03	.07	.09	.09	.045	20	.09
5	.08	.07	.07	.07	.04	.05	.06	.09	.11	.10	.06	.03	.02	.02			.02	.02	.03	.04	.08	.08	.08	.07	.059	22	.12
6*	.07	.07	.07	.06	.06	.05	.06	.06	.04	.04	.04	.04	.03	.03			.02	.02	.03	.03	.03	.06	.09		.047	21	.09
7*	.05	.04	.03	.03	.04	.05	.05	.06	.04	.03	.04	.03	.02	.02		.01	.02	.02	.02	.03	.02	.03	.03	.04	.032	23	.07
8	.03	.03	.03	.03	.03	.03		.04	.06	.04	.05	.03	.04	.05			.04	.04	.05	.04	.05	.06	.04	.05	.040	21	.08
9	.04	.04	.05	.04	.03	.03	.03	.04	.06	.05	.03	.02	.02	.02		.03	.02	.03	.02	.02	.04	.05	.06	.05	.034	23	.08
10	.06	.05	.05	.05	.05	.05	.05	.07	.12	.08	.04	.05	.05	.04		.07	.10	.12	.10	.09	.06	.05	.04	.05	.063	23	.14
11	.06	.05	.04	.04	.04	.04	.04	.05	.06	.05	.05	.05	.05	.03		.04	.03	.03	.07	.08	.11	.09	.09	.10	.055	23	.14
12	.07	.06	.06	.06	.05	.04	.05	.07	.15	.09	.04	.05	.04	.02			.10	.06	.04	.06	.04	.04	.05	.04	.058	22	.17
13*	.05	.05	.05	.05	.03	.03	.04	.04	.06	.04	.04	.03	.03	.02		.02	.04	.04	.03	.04					.038	19	.08
14*																											
15						.05	.05	.05	.06	.06	.06	.05	.04	.04		.06	.05	.56	.22	.12	.16	.05	.04	.04	.098	18	1.19
16	.04	.04	.04	.04	.04	.04	.04	.04	.07	.08	.06	.05	.03	.03		.03	.03	.02	.03	.03	.04	.05	.05	.04	.042	23	.12
17	.04	.03	.03	.03	.03	.03	.04	.05	.06	.04	.03	.03	.02	.03		.02	.03	.02	.02	.03	.03	.03	.04	.02	.032	23	.07
18	.02	.03	.02	.02	.02	.02	.04	.05	.05	.04	.03	.03	.02	.02			.06	.05	.06	.03	.05	.08	.07	.06	.039	22	.09
19	.06	.04	.04	.05	.04	.08	.07	.06	.06	.06	.06	.07	.07	.06		.04	.05	.08	.06	.04	.05	.07	.07	.05	.056	23	.12
20*	.04	.05	.06			.05	.05	.05	.04	.04	.03	.04	.04	.05		.04	.03	.03	.03	.04	.05	.07	.08	.07	.046	21	.10
21*	.06	.06	.06	.03	.03	.03	.04	.04	.04	.03	.03	.04	.04	.03		.01	.02	.01	.03	.04	.07	.08	.07	.07	.042	23	.11
22																											
23																											
24																											
25																											
26																											
27*																											
28*									.05	.04	.04	.03	.03	.03			.04	.03	.03	.03	.05	.06	.03	.05	.038	14	.08
29																											
30																											
31										.02	.02	.02	.02	.02			.03	.02	.02	.03	.03	.02	.03	.03	.023	13	.03
MEAN		.05	.05			.04	.05	.05	.07	.05	.04	.04	.03	.03			.04	.06	.05	.04	.06	.06	.06	.05	.047		
NO	15	16	16	15	15	17	16	17	18	19	19	18	18	18	1	12	19	19	19	19	18	18	18	17		397	
MAX	.08	.07	.07	.07	.06	.08	.07	.09	.15	.10	.06	.07	.07	.06	.02	.07	.10	.56	.22	.12	.16	.09	.09	.10	.098		1.19

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

STORED BY DIVISION OF AIR POLLUTION

Table 3-32

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.04	.06	.06	.05	.04	.031	23	.06
2	.04	.04	.04	.04	.04	.03	.03	.04	.06			.03	.04	.05		.03	.03	.02	.03	.03	.04	.05	.04	.04	.037	21	.06
3*	.03	.02	.02	.02	.02	.02	.04	.02	.02	.03	.06	.06	.04	.04		.03									.031	15	.07
4*																											
5									.05	.07	.05	.07	.03	.01		.03	.03	.03	.03	.04	.04	.03	.02	.02	.036	15	.09
6	.01	.01	.01	.01	.01	.01	.01	.03	.05	.04	.04	.03	.02	.01		.02	.02	.02	.02	.03	.03	.03	.03	.03	.023	23	.05
7	.02	.02	.02	.01	.02	.02	.02	.04	.03	.02	.01	.02	.03	.04		.04	.05	.06	.04	.04	.04	.03	.03	.03	.029	23	.06
8	.03	.03	.03	.02	.02	.02	.02	.03	.04	.03	.04	.03	.02			.03	.04	.04	.03	.04	.03	.03	.02	.02	.029	22	.05
9	.03	.03	.02	.02	.02	.02	.02	.03	.05							.02	.02	.02	.02	.02	.02	.02	.02	.02	.023	18	.06
10*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.03	.03	.03	.03	.04		.06	.05	.05	.04	.04	.04	.04	.04	.04	.027	23	.06
11*	.03	.04	.03	.02	.02	.02	.03	.02	.01	.01	.01	.01	.01	.01		.02	.02	.03	.02	.03	.03	.04	.04	.03	.023	23	.05
12	.03	.02	.02	.02	.02	.03	.04	.04	.05	.05	.03	.02	.02	.02		.03	.04	.03	.03	.03	.03	.05	.06	.05	.032	23	.07
13	.05	.05	.03	.04	.05	.05	.05	.06	.05	.04	.05	.05	.04	.04		.04	.05	.03	.02	.03	.02	.02	.02	.02	.038	23	.06
14	.02	.02	.02	.02	.02	.02	.02	.03	.02	.02	.02	.03	.03	.04		.07	.06	.04	.03	.03	.04	.04	.05	.04	.031	23	.09
15	.03	.03	.03	.03	.03	.03	.03	.04	.03	.03	.02	.02	.02	.03		.03	.03	.02	.02	.02	.02	.02	.02	.02	.026	23	.04
16	.02	.02	.01	.01	.01	.02	.02	.01	.02	.02	.02	.02	.02	.02		.01	.02	.02	.02	.02	.02	.02	.01	.01	.016	23	.03
17*	.01	.00	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00		.00	.01	.01	.01	.01	.01	.01	.01	.01	.008	23	.01
18*	.01		.01	.00	.00	.00	.00	.00	.00	.01	.03	.02	.02	.01		.01	.01	.01	.01	.01	.02	.02	.01	.01	.010	22	.04
19	.01	.01	.01	.01	.01	.01	.01	.01	.03	.03	.02	.02	.02	.02		.03	.04	.03	.03	.04	.06	.04	.03	.04	.024	23	.06
20	.04	.02	.02	.03	.03	.03	.03	.03	.03	.02	.02	.02	.03	.03		.02	.04	.03	.03	.03	.04	.04	.03	.03	.029	23	.04
21	.02	.02	.02	.02	.02	.03	.02	.03	.06	.05	.04	.03	.03	.03		.03	.03	.03	.02	.03	.04	.04	.06	.06	.033	23	.07
22	.04	.03	.03	.02	.02	.02	.02	.03	.05	.05	.04	.02	.02	.02			.09	.05	.05	.05	.06	.06	.06	.05	.040	22	.12
23	.05	.05	.04	.04	.03	.03	.03	.04	.05	.05	.04	.05	.04	.04		.04	.05	.05	.04	.05	.06	.06	.06	.05	.045	23	.07
24*	.04	.04	.04	.04	.03	.03	.03	.03	.03	.03	.02	.02	.02	.03		.04	.05	.05	.05	.05	.05	.05	.03	.04	.036	23	.06
25*	.05	.06	.05	.04	.04	.03	.03	.03	.02	.02	.02	.02	.02	.02		.02	.02	.03	.04	.04	.04	.04	.03	.03	.031	23	.06
26	.02	.02	.02	.02	.02	.02	.02	.03	.02	.03	.02	.02	.03	.03		.03	.03	.03	.03	.04	.04	.04	.04	.04	.027	23	.05
27	.04	.04	.04	.03	.03	.03	.03	.04	.04	.03	.02	.02	.02	.02		.03	.03	.02	.02	.03	.05	.06	.06	.04	.033	23	.06
28	.02	.02	.02	.04	.05	.04	.04	.05	.06	.04	.02	.02	.02	.02		.03	.02	.02	.02	.03	.05	.06	.05	.04	.033	23	.06
29	.02	.02	.02	.01	.02	.04	.04	.05	.06	.06	.05	.03	.02	.02		.03	.03	.02	.03	.04	.09	.09	.09	.08	.041	23	.10
30	.07	.06	.07	.06	.05	.06	.06	.07	.07	.06	.04	.02	.02	.02			.03	.03	.02	.04	.05	.05	.06	.07	.048	22	.09
31*	.06	.07	.07	.07	.06	.06	.06	.05	.05	.05	.06	.05	.02	.02		.02	.02	.02	.03	.03	.03	.04	.04	.03	.043	23	.08
MEAN	.03	.03	.03	.02	.02	.03	.03	.03	.04	.03	.03	.03	.02	.03		.03	.03	.03	.03	.03	.04	.04	.04	.03	.030		
NO	29	28	29	29	29	29	29	29	30	28	28	29	29	28		28	29	29	29	29	29	29	29	29		663	
MAX	.07	.07	.07	.07	.06	.06	.06	.07	.07	.07	.06	.07	.04	.05		.07	.09	.06	.05	.05	.09	.09	.09	.08	.048		.12

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-33

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	.03	.02	.02	.01	.01	.01	.02	.02	.02	.02	.02	.02	.01	.01		.01	.01	.02	.02	.03	.04	.04	.03	.03	.021	23	.04
2	.04	.03	.02	.02	.03	.02	.02	.02	.02	.02	.03	.02	.02	.02		.02	.02	.02	.02	.04	.04	.05	.04	.04	.026	23	.05
3	.04	.03	.03	.03	.03	.03	.03	.04	.06	.05	.02	.02	.02	.02		.02	.03	.04	.03	.03	.06	.05	.04	.04	.034	23	.07
4	.04	.02	.02	.02	.02	.03	.03	.04	.03	.04	.03	.03	.03				.04	.03	.03	.03	.02	.02	.02	.02	.027	21	.04
5	.01	.02	.01	.01	.01	.03	.03	.03	.03	.02	.02	.02	.02	.03		.03	.03	.03	.03	.03	.03	.03	.03	.02	.024	23	.04
6	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.02	.02	.02		.02	.02	.02	.02	.03	.03	.03	.03	.03	.023	23	.03
7*	.03	.03	.02	.02	.02	.02	.02	.02	.04	.06	.05	.04	.03	.04		.02	.02	.03	.04	.06	.06	.06	.05	.05	.036	23	.07
8*	.05	.04	.03	.03	.03	.03	.03	.02	.03	.03	.02	.01	.01	.01		.01	.02	.02	.03	.03	.05	.05	.05	.04	.029	23	.06
9	.04	.03	.02	.01	.02	.03	.04	.04	.04	.04	.04	.04	.03	.03			.05	.04	.04	.04	.03	.04	.05	.05	.035	22	.05
10	.04	.04	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02		.03	.02	.02	.03	.02	.02	.02	.02	.02	.023	23	.04
11	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02		.03	.03	.03	.03	.04	.04	.03	.04	.04	.025	23	.05
12	.03	.03	.02	.02	.03	.03	.03	.03	.04	.05	.05	.03	.03	.04			.03	.03	.04	.05	.05	.05	.04	.04	.036	22	.06
13	.03	.03	.03	.03	.03	.02	.03	.04	.05	.12	.10	.06	.04	.03		.04	.05	.04	.04	.08	.10	.09	.08	.08	.054	23	.15
14*	.06	.07	.07	.07	.07	.06	.07	.08	.10	.19	.09	.03	.02	.02		.02	.02	.02	.03	.07	.07	.07	.07	.06	.061	23	.23
15*	.06	.06	.05	.03	.05	.05	.05	.03	.04	.04	.04	.03	.03	.02		.02	.04	.03	.04	.05	.06	.06	.05	.05	.042	23	.07
16	.05	.05	.04	.03	.03	.04	.04	.04	.05	.05	.04	.03	.03	.04		.04	.05	.04	.04	.04	.05	.04	.05	.04	.041	23	.06
17																											
18																											
19																											
20																											
21*																											
22*																											
23																											
24																											
25																											
26																											
27																											
28*																											
29*																											
30																											
MEAN	.04	.03	.03	.02	.03	.03	.03	.03	.04	.05	.04	.03	.02	15		13	.03	.03	.03	.04	.05	.04	.04	.04	.034	364	
NO	16	16	16	16	16	16	16	16	16	16	16	16	16				16	16	16	16	16	16	16	16			
MAX	.06	.07	.07	.07	.07	.06	.07	.08	.10	.19	.10	.06	.04	.04		.04	.05	.04	.04	.08	.10	.09	.08	.08	.061		.23

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

5177

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-34

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CINCINNATI, OHIO

NITROGEN DIOXIDE
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.03	.05	.04	.04	.04	.04	.04	.05	.07	.08	.07	.03	.03	.03		.05	.05	.06	.07	.08	.07	.06	.06	.06	.052	23	.08
2	.05	.04	.03	.03	.03	.04	.04	.05	.05	.04	.03	.03	.02	.02		.05	.04	.04	.05	.05	.03	.02	.02	.02	.036	23	.06
3	.01	.02	.01	.02	.02	.02	.03	.03	.02	.02	.02	.02	.02	.03		.03	.03	.03	.03	.03	.03	.03	.02	.03	.023	23	.04
4	.03	.03	.02	.02	.02	.02	.02	.04	.03	.03	.03	.03	.02	.02		.02	.03								.023	16	.05
5*																											
6*																											
7	.02	.02	.02	.02	.02	.02	.04	.03	.04	.04	.03	.03	.04	.04		.04	.04	.04							.031	17	.04
8																											
9		.05	.05	.04	.05	.05	.04	.05	.06	.06						.03	.03	.03	.04	.03	.04	.04	.04	.03	.041	18	.07
10	.02	.01	.01	.01	.01	.01	.02	.02	.02	.03							.03	.03	.03	.04	.04	.04	.04	.04	.024	18	.05
11	.05	.04	.03	.04	.03	.04	.04	.05	.04	.05	.05	.04	.02			.04	.05	.04	.05						.039	17	.06
12*																											
13*																											
14																											
15																											
16																											
17							.04	.05	.09	.06	.05	.03	.03	.04		.03	.04	.03	.03	.03	.03	.03	.04	.03	.038	17	.16
18	.03	.02	.02	.02	.02	.03	.03	.03	.03	.02	.01	.01	.02	.02		.02	.02	.02	.02	.02	.01	.01	.01	.01	.019	23	.04
19*	.01	.00	.06	.05	.02	.01	.01	.01	.00	.01	.00	.00	.00	.02		.03	.04	.05	.08	.09	.09	.08	.09	.08	.035	23	.11
20*	.08	.08	.08	.07	.06	.06	.06	.06	.07	.07	.06	.04	.04	.03		.04	.04	.05	.09	.09	.11	.09	.08	.07	.066	23	.12
21	.06	.06	.06	.07	.08	.09	.10	.09	.08	.09	.07	.04	.04	.03		.03	.05	.05	.07	.08	.08	.07	.07	.06	.066	23	.11
22	.06	.06	.05		.05			.05	.05	.06	.06		.05	.05		.04	.05	.05	.05	.06	.04	.04	.03	.04	.048	19	.07
23	.04	.04	.04	.03	.03	.04	.04	.04	.04	.03	.04	.03	.03	.03		.05	.05	.06	.06	.06	.07	.07	.07	.07	.045	23	.08
24	.06	.07	.06	.06	.05	.06	.06	.06	.06	.06	.05	.05	.05	.05			.05	.05	.05	.05	.05	.06	.05	.05	.054	22	.07
25	.03	.03	.03	.03	.03	.02	.03	.03	.03	.04	.04	.03	.03	.03			.04	.04	.04	.04	.04	.04	.04	.04	.033	22	.05
26*	.03	.04	.04	.04	.03	.04	.04	.04	.04	.04	.04	.03	.04	.04		.04	.04	.05	.04	.06	.07	.06	.05	.05	.044	23	.07
27*	.05	.05	.05	.04	.03	.03	.04	.04	.03	.03	.03	.03	.03	.03		.02	.03	.03	.04	.05	.05	.05	.05	.04	.037	23	.06
28	.04	.04	.03	.03	.03	.03	.03	.04	.04	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.031	23	.08
29	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03			.03	.04	.04	.04	.04	.04	.04	.04	.027	22	.05
30	.04	.03	.03	.04	.03	.03	.03	.04	.05	.06	.07	.05	.03	.05		.04	.04	.04	.06	.06					.042	19	.07
31																											
MEAN	.04	.04	.04	.03	.03	.03	.04	.04	.04	.04	.04	.03	.03	.03		.03	.04	.04	.05	.05	.05	.05	.05	.04	.039		
NO	20	21	21	20	21	20	21	22	22	22	20	19	20	19		18	22	21	20	19	18	18	18	18		460	
MAX	.08	.08	.08	.07	.08	.09	.10	.09	.09	.09	.07	.05	.05	.05		.05	.05	.06	.09	.09	.11	.09	.09	.08	.066		.16

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-35

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
NOV. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.07	.06	.04	.04	.03	.03	.05	.06	.07	.07	.05	.04	.04	.04		.04	.04	.06	.06	.07	.08	.06	.05	.04	.050	23	.09
2*	.04	.04	.03	.04	.03	.03	.02	.02	.03	.05	.06	.06	.04	.04		.03	.05	.05	.06	.06	.05	.05	.05	.05	.042	23	.07
3*	.05	.05	.05	.05	.04	.05	.04	.04	.04	.03	.03	.03	.03	.04			.03	.03	.03	.03					.036	18	.06
4																											
5																											
6																											
7		.05	.05	.05	.04	.03	.04	.04	.05	.04	.03	.02	.01			.03	.02	.02	.02	.01	.04	.04	.04	.04	.033	21	.06
8	.04	.04	.04	.03	.02	.02	.03	.03	.03	.04	.04	.04	.03	.04			.04	.04	.04	.04	.04	.04	.05	.03	.036	22	.05
9*	.03	.03	.03	.02	.03	.04	.04	.03	.04	.04	.04	.03	.02	.02			.02	.03	.03	.03	.04	.04	.04	.04	.032	22	.05
10*	.04	.04	.04	.04	.04	.03	.02	.02	.02	.02	.02	.03	.02	.02		.03	.02	.03	.04	.05	.05	.05	.06	.05	.032	23	.07
11	.03	.04	.04	.04	.04	.03	.04	.03	.03	.03	.04	.04	.04	.04		.03	.03	.04	.04	.04	.04	.03	.03	.03	.034	23	.05
12	.03	.03	.03	.03	.03	.03	.03	.04	.03	.03	.03	.03	.03	.02		.03	.03	.03	.03	.03	.04	.04	.04	.03	.032	23	.05
13	.04	.03	.04	.03	.03	.03	.04	.04	.03	.03	.03	.02	.03	.03		.02	.03	.04	.04	.05	.06	.06	.05	.05	.036	23	.07
14	.05	.04	.04	.05	.04	.04	.04	.04	.04	.05	.04	.04	.04	.04		.05	.05	.05	.05	.06	.05	.04	.05	.05	.045	23	.08
15	.05	.03	.03	.03	.03	.03	.05	.05	.05	.04	.05	.05	.04	.05		.04	.04	.05	.06	.06	.05	.03	.05	.05	.043	23	.07
16*	.03	.03	.02	.02	.02	.03	.05	.04	.03	.02	.01	.02	.02	.02		.04	.04	.03	.03	.03	.04	.04	.02	.03	.028	23	.06
17*	.03	.02	.03	.04	.02	.02	.03	.03	.02	.02	.02	.01	.02	.02		.02	.02	.04	.04	.04	.04	.04	.03	.04	.026	23	.05
18	.03	.03	.02	.03	.03	.03	.02	.03	.04	.04	.03	.02	.02	.03		.03	.03	.04	.05	.04	.04	.04	.04	.03	.031	23	.06
19	.03	.04	.03	.03	.03	.04	.05	.04	.05	.05	.04	.05	.05	.05			.03	.03	.04	.04	.03	.03	.03	.03	.037	22	.06
20	.02	.03	.03	.02	.02	.03	.03	.03	.02	.01	.02	.02	.01	.01		.02	.01	.02	.02	.03	.02	.02	.02	.02	.020	23	.04
21	.02	.02	.01	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.03			.03	.04	.04	.04	.05	.05	.05	.05	.027	22	.06
22	.05	.04	.04	.05	.05	.04	.04	.04	.05	.04	.04	.04	.04	.03		.04	.05	.06	.06	.07	.06	.06	.07	.07	.049	23	.08
23*	.07	.07	.06	.05	.05	.05	.06	.06	.07	.06	.07	.07	.05	.05		.03	.06	.06	.06	.07	.07	.06	.06	.05	.057	23	.09
24*	.04	.03	.03	.03	.03	.03	.04	.05	.04	.05	.04	.03	.04	.03			.03	.04	.04	.05	.05	.06	.06	.06	.040	22	.07
25	.06	.05	.05	.05	.05	.05	.04	.04	.05	.05	.04	.04	.03	.04			.04	.04	.05	.05	.05	.06	.05	.05	.046	22	.06
26	.04	.04	.04	.03	.03	.03	.04	.05	.05	.04	.03	.04	.03	.04			.04	.04	.04	.04	.02	.03	.02	.03	.035	22	.06
27	.03	.03	.04	.05	.04	.04	.03	.04	.04	.04	.04	.04	.04	.04		.03	.03	.03	.04	.05	.04	.04	.05	.05	.039	23	.07
28	.04	.05	.04	.03	.03	.02	.02	.02	.04	.03	.03	.04	.03	.02			.02	.02	.02	.02	.02	.02	.02	.03	.028	22	.06
29	.03	.03	.03	.02	.02	.02	.02	.03	.03	.02	.03	.03	.03	.03		.04	.04	.04	.05	.04	.04	.04	.05	.04	.032	23	.06
30*	.04	.03	.03	.04	.03	.02	.03	.03	.03	.03	.04	.03	.03	.04		.03	.03	.03	.05	.03	.04	.04	.03	.03	.032	23	.06
MEAN	.04	.04	.04	.03	.03	.03	.03	.04	.04	.04	.04	.03	.03	.03		.03	.03	.04	.04	.04	.04	.04	.04	.04	.036		
NO	26	27	27	27	27	27	27	27	27	27	27	27	27	26		18	27	27	27	27	26	26	26	26		606	
MAX	.07	.07	.06	.05	.05	.05	.06	.06	.07	.07	.07	.07	.05	.05		.05	.06	.06	.06	.07	.08	.06	.07	.07	.057		.09

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-36

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CINCINNATI, OHIO

NITROGEN DIOXIDE
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX
1*	.03	.02	.03	.02	.03	.03	.03	.02	.02	.01	.02	.02	.02	.02		.02	.02	.02	.02	.03	.03	.02	.02	.02	.021	23	.04
2	.02	.03	.03	.02	.02	.03	.04	.03	.04	.03	.03	.03	.04	.04			.05	.05	.05	.06	.05	.06	.05	.05	.038	22	.07
3	.05	.04	.03	.04	.04	.03	.05	.04	.04	.04	.04	.03	.03	.03			.10	.08	.05	.04	.04	.05	.05	.06	.046	22	.11
4	.05	.04	.04	.03	.04	.02	.03	.03	.03	.03	.04	.03	.04	.04			.03	.04	.03	.04	.04	.04	.04	.03	.035	22	.06
5	.04	.02	.02	.02	.02	.02	.02	.03	.03	.02	.02	.02	.03	.02		.03	.03	.04	.05	.03	.02	.04	.04	.03	.028	23	.05
6	.02	.02	.02	.02	.03	.03	.03	.04	.02	.02	.02	.02	.02	.02			.04	.04	.05	.05	.04	.04	.04	.04	.029	22	.06
7*	.04	.04	.03	.03	.04	.03	.02	.02	.02	.03	.03	.02	.02	.03			.03	.03	.03	.03	.02	.04	.04	.04	.028	22	.06
8*	.01	.02	.03	.03	.03	.02	.03	.03	.03	.02	.02	.01	.01	.02		.03	.04	.03	.04	.03	.03	.03	.04	.04	.026	23	.05
9																											
10																											
11																											
12																											
13																											
14*																											
15*																											
16																											
17																											
18	.03	.03	.02	.03	.03	.03	.03	.03	.02	.03	.04	.04	.03		.03	.04	.05	.04	.03	.03	.03	.03	.04	.032	22	.08	
19																											
20																											
21*																											
22*																											
23																											
24	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02											.019	14	.03
25																											
26																											
27																											
28*																											
29*		.04	.04	.02	.02	.02	.02	.02	.03	.03	.03	.04	.04	.04		.03	.04	.04	.04	.04	.04	.04	.05	.04	.034	22	.05
30	.04	.04	.03	.03	.02	.03	.04	.04	.04	.04	.04	.04					.03	.03	.03	.03	.03	.03	.03	.03	.033	20	.06
31	.02	.01	.01	.02	.02	.02	.02	.02	.01	.01	.02	.02					.03	.03	.03	.03	.03	.03	.03	.03	.021	20	.04
MEAN																											
NO	11	13	13	13	13	13	13	13	13	13	13	13	11	11		5	12	12	12	12	12	12	12	12		277	
MAX	.05	.04	.04	.04	.04	.03	.05	.04	.04	.04	.04	.04	.04	.04		.03	.10	.08	.05	.06	.05	.06	.05	.06	.046		.11

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-37

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

CINCINNATI, OHIO

SULFUR DIOXIDE
JAN. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX.
1 2 3 4 5																											
6* 7* 8 9 10																											
11 12 13* 14* 15																											
16 17 18 19 20*																											
21* 22 23 24 25																											
26 27* 28* 29 30 31																											
MEAN																									.000		.00
NO.																											
MAX.																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-38

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

CINCINNATI, OHIO

SULFUR DIOXIDE
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2																											
3*																											
4*																											
5																											
6																											
7																											
8										.01		.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.019	14	.03
9	.02	.02	.04	.03	.02	.02	.03	.03		.00	.00	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.010	23	.06
10*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	24	.07
11*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.07	.04	.03	.02	.02	.01	.02	.02	.00	.00	.00	.00	.00	.011	24	.11
12	.00	.00	.01	.02	.00	.01	.02	.01	.03	.04	.04	.06	.07	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.014	24	.09
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.02
14	.01	.00	.00	.04	.05	.05	.04	.03	.04	.06	.04	.03	.00	.00	.00	.00				.08	.01	.03	.03	.027	20	.15
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.01	.00							.00	.00	.00	.00	.004	17	.04
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	.00	.00	.01	.01	.01	.01	.01	.003	18	.02
17*	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03	.003	24	.04
18*	.04	.05	.06	.06	.05	.05	.04	.04	.03	.02	.00	.00	.01	.02	.00	.02	.02	.02	.02	.02	.01	.01	.01	.04	.026	24	.07
19	.07	.07	.05	.01	.01	.02	.01	.01	.00	.01	.02	.03							.00	.00	.00		.00	.01	.018	17	.07
20	.01	.02	.02	.01	.00	.00	.00	.01	.03	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.01	.02	.01	.01	.01	.009	24	.05
21	.01	.01	.01	.01	.01	.01	.02	.02	.02	.03	.02	.02	.01			.01	.01	.01	.01	.04	.08	.07	.06	.04	.024	22	.10
22																											
23																											
24*																											
25*																											
26								.00	.00	.03	.00	.01	.01	.07	.10	.02	.00	.00	.00	.00	.00	.00	.00	.00	.014	17	.20
27	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00	.04	.04	.04	.03	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.008	24	.07
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.02
29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.02
MEAN	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02							.00	.01	.01	.01	.01	.01	.010		
NO	16	16	16	16	16	16	16	17	16	18	16	16	15	13	13	14	15	15	16	16	18	17	18	18		383	
MAX	.07	.07	.06	.06	.05	.05	.04	.04	.04	.06	.04	.07	.07	.07	.10	.02	.02	.02	.02	.04	.08	.07	.06	.04	.027		.20

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

- Table 3-39

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
MARCH 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1	.00	.00	.00	.00	.00	.00	.00	.00	.02	.10	.04	.00	.00	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.011	24	.14
2*	.01	.01		.01	.02	.02	.02	.02	.02	.02	.04	.02	.01	.01	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.012	23	.05
3*	.01	.01		.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.002	23	.02
4	.02	.01		.00	.00	.01	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	23	.03
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.003	22	.34
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02						.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	19	.07
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02					.03	.08	.03	.00	.00	.03	.06	.30	.08	.031	20	.54
9*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.00
10*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	20	.01
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.01
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.01	.01	.01	.01	.02	.01	.01	.004	19	.03
14	.01	.01	.01	.02	.01	.01	.05	.03	.03	.02	.01						.00	.00	.00	.00	.00	.00	.00	.00	.011	19	.09
15	.00	.00	.00	.00	.00	.06	.23	.20	.29	.07	.01	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.036	24	.42
16*	.01	.03	.02	.01	.00	.01	.04	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.006	24	.09
17*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	24	.01
18	.00	.00	.00	.00	.00	.00	.00	.01	.03	.04	.02	.00	.01	.01	.03	.01	.01	.01	.01	.01	.01	.01	.01	.01	.010	24	.18
19	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01					.00	.09	.22	.05	.01	.01	.01	.00	.025	20	.39
20	.00	.01	.00	.01	.00	.00	.00	.00	.00	.03	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.02	.02	.008	24	.04
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	24	.04
22	.00	.01	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	24	.03
23*	.00	.00	.00	.00	.00	.00	.01	.01	.02	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.02	.02	.00	.006	24	.06
24*	.00	.00	.00	.00	.00	.00	.03	.02	.02	.02	.03	.03	.03	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.008	24	.04
25	.01	.02	.01	.02	.02	.05	.16	.11	.13	.13	.04	.00	.02	.03	.10	.09	.01	.00	.00	.00	.01	.15	.08	.02	.050	24	.31
26	.07	.08	.08	.07	.03	.05	.02	.03	.16	.05	.03	.01	.00	.01	.02	.00	.00	.00	.00	.07	.00	.00	.00	.00	.032	24	.39
27	.00	.00	.01	.01	.00	.01	.02	.01	.03	.03	.01	.00	.00	.00	.00	.00	.01	.00	.00	.01	.04	.04	.00	.00	.009	24	.07
28	.00	.00	.00	.00	.01	.01	.03	.02	.02	.01	.00	.00					.00	.00	.00	.00	.00	.00	.00	.01	.005	20	.05
29	.00	.00	.00	.00	.00	.00	.00	.00	.01	.14	.01	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.04	.04	.010	24	1.49
30*	.02	.02	.01	.01	.00	.00	.01	.01	.01	.00	.00	.02	.02	.01	.01	.00	.01	.02	.00	.00	.00	.00	.00	.00	.007	24	.05
31*	.01	.00	.00	.11	.04	.03	.02	.01	.03	.02	.03	.03	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.017	24	.15
MEAN	.01	.01	.01	.01	.00	.01	.02	.02	.03	.02	.01	.01	.01	.00	.01	.01	.00	.01	.01	.01	.01	.01	.02	.01	.010		
NO	31	31	28	31	31	31	31	31	31	31	28	26	24	23	24	27	30	31	31	31	31	31	31	31		706	
MAX	.07	.08	.08	.11	.04	.06	.23	.20	.29	.14	.04	.03	.06	.03	.10	.09	.08	.09	.22	.07	.04	.15	.30	.08	.050		1.49

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

5102

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-40

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.00		.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01	.00	.01	.00	.00	.00	.00	.00	.01	.01	.01	.01	.003	23	.04
2	.00	.00	.00	.00	.00	.02	.03	.02	.02	.00	.00	.00	.02	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.01	.006	24	.14
3	.09	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.004	24	.20
4	.00	.07	.02	.01	.00	.02	.13	.16	.13	.24	.38	.24	.02	.28	.11	.03	.00	.00	.00	.00	.00	.00	.00	.00	.077	24	.56
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.00	.01	.01	.01	.01	.01	.01	.01	.004	20	.02
6*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.01	.02	.04	.04	.01	.01	.00	.00	.00	.01	.01	.01	.011	24	.06
7*	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01	.01	.04	.03	.06	.09	.00	.00	.05	.03	.07	.019	24	.17
8	.05	.02	.00	.00	.00	.00	.00	.00	.02	.00	.00	.02	.00				.01	.02	.03	.02	.03	.02	.01	.02	.012	21	.12
9	.02	.03	.02	.02	.02	.02	.02	.02	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.009	24	.05
10	.00	.00	.00	.00	.01	.00	.01	.02	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	24	.05
11	.00	.00	.00	.00	.00	.00	.00	.00	.00									.03	.02	.01	.01	.01	.02	.02	.008	16	.03
12	.01	.00	.00	.00	.00	.00	.00	.00	.03				.04	.03	.02	.03	.04	.03	.01	.01	.01	.01	.01	.01	.013	21	.09
13*	.01	.01	.01	.02	.02	.02	.03	.03	.03	.03	.04	.03		.05	.03	.03	.03	.03	.04	.03	.03	.03	.04	.03	.028	23	.16
14*	.03	.03	.03	.04	.03	.03	.03	.03	.03	.03	.03	.03	.13	.06	.08	.09	.09	.04	.05	.04	.04	.03	.03	.03	.046	24	.21
15																											
16																											
17																											
18									.02	.02																	
19	.05	.04	.05	.05	.07	.06	.06	.07	.05	.04	.04	.04	.03	.03	.04	.03	.03	.03	.03	.03	.03	.03	.03	.05	.029	14	.05
20*	.04	.04	.06	.05	.04	.04	.04	.04	.04	.06	.04	.04	.04	.05	.07	.04	.03	.03	.04	.04	.04	.04	.04	.04	.045	24	.08
21*	.03	.03	.03	.03	.04	.06	.07	.06	.05	.05	.04	.05	.05	.06	.04	.03	.03	.05	.03	.03	.03	.03	.03	.03	.040	24	.13
22																			.04	.04	.04	.04	.04	.05	.044	24	.14
23																											
24									.07	.03	.03	.03				.04	.05	.04									
25	.05	.04	.04	.04	.03	.03	.03	.11	.05	.04	.03		.03	.05	.04	.03	.03		.04	.06	.09	.05	.05	.04	.045	16	.11
																									.042	13	.29
26										.05	.07	.05	.07	.09	.06	.03	.03	.04									
27*	.07	.07	.07	.06	.07	.05	.07	.09	.07	.05	.05	.03	.03	.03	.03	.03	.03	.03	.04	.03	.04	.06	.06	.06	.053	15	.21
28*	.04	.04	.04	.04	.05	.05	.06	.06	.08	.05	.04	.03	.03	.03	.02	.02	.01	.01	.02	.02	.03	.04	.03	.03	.046	24	.11
29	.04	.05	.04	.04	.03	.02	.03	.03	.05	.05	.06	.05	.06	.05	.04	.03	.03	.03	.01	.01	.02	.02	.02	.02	.032	24	.13
30	.04	.03	.02	.03	.02	.03	.05	.03	.03	.02	.03	.02	.01	.01	.01	.01	.00	.00	.03	.02	.02	.02	.03	.03	.036	24	.09
																			.00	.00	.00	.00	.00	.00	.016	24	.06
MEAN	.03	.03	.02	.02	.02	.02	.03	.04	.03	.03	.04	.03	.03	.04	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.026		
NO	22	21	22	22	22	22	22	22	24	23	22	21	21	21	21	22	24	24	24	24	24	24	24	24		542	
MAX	.09	.07	.07	.06	.07	.06	.13	.16	.13	.24	.38	.24	.13	.28	.11	.09	.09	.06	.09	.06	.09	.06	.06	.07	.077		.56

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-41

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
MAY 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.00	.00	.00	.00	.01	.03	.01	.02			.06	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01	.03	.02	.01	.013	22	.08
2	.00	.00	.00	.01	.01	.01	.05	.03	.03							.04	.05					.03	.03	.03	.023	14	.07
3																											
4*																											
5*																											
6																											
7	.01	.00	.00	.00	.00	.01	.01	.03	.03	.02	.03	.03	.02	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.009	24	.07
8	.00	.00	.00	.00	.00	.01					.03	.01	.01	.02	.01	.01	.01	.00	.09	.06	.01	.00	.01	.02	.015	20	.19
9																											
10							.04	.04	.03	.03	.02	.03	.05	.04	.05	.04	.02	.02	.01	.01	.02	.02	.02	.02	.028	18	.08
11*																											
12*																											
13																											
14						.03	.02	.02	.01	.02	.02	.01	.01	.03	.06	.07	.07	.08	.07	.06	.05	.05	.05	.05	.041	19	.10
15																											
16								.02	.02	.02				.03	.03	.03	.04	.04	.05	.05	.06	.08	.09	.06	.044	14	.15
17	.05	.08	.06	.05	.04	.04	.04	.04	.04	.04	.04	.05	.08	.06	.04	.03	.03	.02	.02	.02	.02	.02	.03	.03	.040	24	.13
18*	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04	.05	.05	.04	.04	.07	.05	.03	.03	.03	.02	.02	.03	.02	.02	.036	24	.11
19*	.03	.06	.05	.04	.05	.05	.05	.05	.07	.06	.04	.04	.04	.04	.05	.05	.04	.04	.04	.04	.04	.05	.07	.05	.047	24	.11
20	.07	.05	.04	.04	.04	.08	.12	.13		.17		.06	.01	.00	.00	.00	.02	.03	.03	.04	.01	.00	.00	.01	.043	22	.18
21																											
22																											
23									.09	.09	.10	.09	.08	.07	.09	.08	.07	.07	.07	.08	.08	.07	.07	.07	.079	16	.13
24	.07	.07	.07	.06	.06	.06	.06	.06					.03	.02	.03	.02	.03	.02	.01	.03	.02	.02	.02	.02	.038	20	.10
25*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.02	.02	.02	.02									.022	16	.05
26*																											
27									.04	.08	.04	.03	.03	.03	.03	.03	.03	.04	.05	.04	.03	.03	.05	.08	.040	16	.13
28	.05	.04	.04	.04	.05	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.05	.05	.04	.04	.06	.11	.09	.05	.047	24	.14
29	.03	.03	.02	.02	.02	.02	.02	.03				.00	.00	.00	.02	.02	.02	.04	.04	.05	.06	.05	.07	.10	.031	21	.13
30	.04	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.021	24	.07
31	.02	.02	.02	.02	.03	.04	.05	.09	.09	.04	.03	.03	.03	.02	.02	.02	.02	.02	.05	.05	.03	.02	.02	.02	.033	24	.14
MEAN								.04				.03	.03	.03	.03	.03	.03	.03	.04	.04	.03	.04	.04	.04	.034		
NO	14	14	14	14	14	15	15	16	14	14	14	16	17	18	18	19	18	17	17	17	17	18	18	18		386	
MAX	.07	.08	.07	.06	.06	.08	.12	.13	.09	.17	.10	.09	.08	.07	.09	.08	.07	.08	.09	.08	.08	.11	.09	.10	.079		.19

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-42

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

CINCINNATI, OHIO

SULFUR DIOXIDE
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.02	.02	.02	.02	.04	.02	.02	.02	.02	.02	.020	23	.08
2*	.02	.02	.02	.02	.02	.02	.02	.03	.03	.02	.02	.02	.02	.01	.01	.01	.02	.01	.01	.01	.03	.02	.02	.02	.019	24	.03
3	.02	.02	.02	.01	.01	.01	.02	.02	.06	.02	.03	.02	.03	.04	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.018	24	.15
4	.01	.01	.01	.01	.01	.01	.01	.05	.06	.13	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.020	24	.19
5	.01	.01	.01	.01	.01	.01	.02	.03	.08	.26	.09	.02	.01	.01	.01	.01	.01	.01	.01	.00	.00	.01	.01	.01	.027	24	.49
6	.01	.01	.01	.01	.01	.00	.01	.01	.02	.02	.01																
7	.01	.01						.01	.01	.02	.01	.01	.00	.00	.00	.00	.01	.00	.00	.01	.01	.01	.01	.01	.008	21	.03
8*	.01	.01	.01	.01	.01	.01	.01			.02	.03	.02	.01	.01	.01	.00		.00	.00	.01	.01	.01	.01	.01	.007	18	.05
9*	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00	.00	.00								.00	.011	15	.03
10	.00	.00	.00	.00		.01	.01	.01	.01	.01						.01	.01			.00	.07	.12	.01	.03	.003	17	.04
11								.00	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00				.00	.00	.01	.017	16	.23
12																									.001	14	.01
13																											
14	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.004	24	.04
15*	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.03	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.004	24	.05
16*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	24	.04
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.02
19	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.02	.09	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.005	24	.12
20	.03	.01	.00	.00	.00	.00	.00	.00	.00	.00				.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	21	.07
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.03
22*	.00	.00	.00	.00	.00	.00	.02	.01	.01	.01	.04	.02	.01	.01	.01	.01	.01	.00	.00	.01	.02	.01	.01	.01	.009	24	.08
23*	.01	.01	.01	.00	.00	.00	.00	.01	.06	.04	.03	.07	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.011	24	.10
24	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.01	.01	.01	.02	.06	.06	.04	.00	.00	.00	.00	.00	.00	.00	.010	24	.14
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.001	24	.03
26	.00	.00	.01	.02	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01	.00	.00	.01	.03	.01	.005	24	.06
27	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.01					.00	.00							.00	.001	15	.02
28	.00	.00	.00	.00	.00	.00	.00	.02	.01	.00	.00	.00	.00	.00							.00	.00	.00	.00	.002	18	.04
29*	.00	.00	.00	.00	.00				.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
30*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.01
MEAN	.01	.00	.01	.00	.00	.01	.01	.01	.01	.02	.01	.01	.01	.00	.01	.01	.01	.00	.00	.00	.01	.01	.01	.01	.007		
NO	27	26	26	26	25	25	25	26	27	28	26	24	24	25	26	27	24	23	22	23	24	25	25	28		607	
MAX	.03	.02	.02	.02	.02	.02	.02	.05	.08	.26	.09	.09	.04	.04	.06	.06	.04	.02	.04	.02	.07	.12	.03	.03	.027		.49

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-43

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
JULY 1968

DAY OF MONTH	A M												P M												DAILY MEAN	NO OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1	.00		.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.01	.02	.01	.00	.00	.00	.00	.003	23	.04
2	.00						.01	.01	.02	.01	.01	.01	.01	.01	.00	.00						.00	.00	.00	.006	14	.05
3	.00	.00	.00	.00	.01	.00	.00	.01	.00	.00	.00					.00	.01	.01	.01	.01	.01	.01	.01	.01	.006	20	.04
4	.01	.01	.01	.01	.01	.01	.03	.03	.02	.02	.01	.01	.01	.02	.02	.02	.01	.01	.01	.01	.01	.02	.02	.02	.015	24	.03
5	.01	.01	.01	.01	.01	.01	.01	.02	.03	.02	.01	.02	.01	.01	.01	.01	.01	.01	.01	.06	.07	.05	.02	.02	.019	24	.09
6*	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.011	24	.04
7*	.01	.00	.00	.00	.00	.00	.00	.01	.04	.02	.01	.01	.01	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.007	24	.05
8	.01	.01	.01	.01	.01	.01	.01	.01	.01	.04	.05	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.008	24	.10
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.001	24	.03
10	.01	.01	.01	.02	.01	.01	.01	.02	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.005	24	.04
11	.00	.00	.00	.00	.01	.01	.01	.01	.00	.05	.06			.07	.03	.02	.01	.01	.01	.01	.03	.02	.01	.01	.016	22	.08
12	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.02	.02	.03	.02	.06	.07	.06	.02	.03	.05	.02	.00	.00	.00	.019	24	.11
13*	.00	.00	.00				.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00								.000	14	.01
14*																											
15												.00	.01	.01	.01	.01	.01	.00	.00	.00	.00	.01	.02	.03	.008	13	.04
16	.02	.00	.00	.00	.00	.00	.00	.01	.01	.02	.04	.05	.03	.01	.02	.03	.01	.01	.01	.02	.03	.03	.01	.01	.015	24	.08
17	.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.02	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.005	24	.03
18	.00	.00	.00	.00	.00	.00	.01	.02	.03	.04	.03	.02	.01	.01	.01	.00	.00	.00	.00	.00	.09	.14	.06	.04	.021	24	.17
19	.02	.00	.01	.05	.02	.01	.01	.01	.00	.01				.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.009	21	.06
20*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.05	.05	.02	.03	.01	.00	.00	.00	.00	.00	.00	.00	.007	24	.09
21*	.00	.00	.00	.00	.02	.07	.04	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.007	24	.08
22																											
23																											
24																											
25																											
26		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.005	23	.01
27*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.01	.04	.01	.00	.00	.00	.00	.00	.01	.02	.008	24	.10
28*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.03	.011	24	.05
29	.02	.03	.03	.04	.03	.02	.02	.03	.03	.02	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.023	24	.04
30	.02	.02	.02	.02	.02	.02	.02	.02	.04	.04	.03	.03	.05	.07	.04	.02	.02	.02	.02	.02	.03	.02	.02	.02	.027	24	.09
31	.02	.02	.02	.01	.01	.02	.02	.02	.03	.02	.03	.02	.02	.03	.02	.02	.02	.03	.03	.02	.02	.02	.02	.02	.021	24	.04
MEAN	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.02	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.011		
NO	24	23	24	23	23	23	25	25	25	25	24	23	23	25	25	26	25	24	24	24	24	25	25	25		582	
MAX	.02	.03	.03	.05	.03	.07	.04	.03	.04	.05	.06	.05	.05	.07	.06	.07	.06	.03	.03	.06	.09	.14	.06	.04	.027		.17

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-44

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	3-MIN MAX
1	.02	.01	.01	.02	.02	.02	.02	.04	.06	.03	.03			.01	.02	.01	.02	.02	.03	.03	.02	.02	.02	.02	.022	22	.09
2	.02	.03	.03	.03	.03	.03	.02	.03	.05	.04	.02	.02	.04	.08	.06	.02	.02	.01	.01	.01	.02	.02	.02	.02	.028	24	.10
3*	.02	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.04	.03	.04	.03	.02	.01	.01	.01	.01	.01	.01	.01	.01	.015	24	.06
4*	.01	.01	.01	.01	.01	.02	.02	.02	.03	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.014	24	.05
5	.01	.01	.01	.01	.01	.01	.01	.02	.03	.07	.07	.10	.03	.01	.02	.03	.02	.02	.03	.03	.02	.02	.01	.01	.024	24	.14
6	.01	.00	.00	.00	.01	.02	.02	.05	.07	.10	.09	.03	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.00	.022	24	.12
7	.00	.03	.01	.01	.01	.01	.01	.04	.04	.04	.04	.03	.03			.06	.02	.02	.01	.09	.05	.02	.01	.01	.026	22	.13
8	.01	.06	.06	.02	.01	.02	.02	.02	.04	.03	.02	.01	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.014	24	.09
9							.00	.01	.00	.00	.00	.00	.00	.01	.04	.00	.00	.00	.00			.00	.01	.01	.004	16	.06
10*	.00							.00			.01	.02	.03	.04	.02	.01	.01	.01	.02	.02	.02	.02	.03	.03	.017	16	.04
11*	.02	.02	.01	.01	.02	.02	.03	.03	.03	.02	.02	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.011	24	.07
12	.00	.00	.00	.00	.00	.00	.00	.00	.15	.12	.02	.01	.01	.01	.01	.04	.06	.03	.04	.01	.01	.01	.01	.01	.023	24	.29
13	.01	.00	.00	.00	.01	.02	.02	.02	.02	.01	.01	.04	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.011	24	.05
14	.01	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.02	.01	.01	.01	.02	.01	.01	.01	.00	.00	.00	.00	.00	.008	24	.04
15	.00	.00	.00	.00	.00	.00	.00	.00	.00				.02	.02	.02	.02	.03	.02	.02	.02	.02	.02	.02	.02	.012	21	.05
16	.02	.02	.02	.02	.02	.03	.03	.04	.04	.03	.03	.03	.03	.03	.03	.03	.04	.03	.04	.04	.03	.03	.03	.03	.030	24	.06
17*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.11	.04	.03	.03	.03	.04	.03	.05	.05	.03	.03	.03	.03	.03	.03	.036	24	.25
18*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03	.04	.04	.04	.04	.03	.03	.07	.07	.06	.04	.04	.04	.04	.038	24	.09
19	.03	.03	.03	.03	.03	.03	.04	.04	.05	.08	.07	.06	.05	.04	.04	.04	.04	.04	.04	.05	.04	.04	.04	.04	.043	24	.11
20	.04	.04	.04	.04	.04	.04	.04	.04	.05	.05	.04	.04	.06	.05	.05	.05	.05	.04	.04	.06	.06	.05	.05	.04	.045	24	.10
21	.04	.04	.04	.04	.05	.05	.06	.06	.07	.07	.07			.07	.08	.05	.03						.02	.02	.050	17	.09
22																											
23									.06	.09	.08	.07	.03	.02	.02	.02	.05	.04	.04	.03	.03	.03	.03	.03	.041	16	.12
24*	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.02	.02	.02	.02	.02	.03	.03	.02	.02	.02	.03	.03	.02	.02	.023	24	.08
25*	.06	.10	.08	.05	.08	.04	.03	.03	.02	.02	.01	.03	.05	.03	.02	.01	.01	.02	.03	.01	.01	.01	.01	.02	.032	24	.20
26	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.01	.02	.011	24	.04
27	.01	.03	.03	.02	.02	.02	.03	.02	.01	.01	.00	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01	.01	.011	24	.04
28	.00	.00	.00	.00	.00	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.01	.01	.00	.00	.006	24	.03
29	.00	.00	.00	.00	.01	.01	.01	.02	.05	.06	.03	.03			.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.019	22	.09
30	.02	.02	.02	.02	.02	.02	.02	.02	.04	.03	.03	.03	.02	.03	.02	.02	.02	.01	.01	.01	.02	.02	.02	.02	.021	24	.04
31*	.02	.01	.02	.02	.02	.02	.01	.01	.02	.02	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.010	24	.02
MEAN	.02	.02	.02	.02	.02	.02	.02	.02	.04	.04	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.022		
NO	28	27	27	27	27	27	28	29	29	28	29	27	27	28	29	30	30	29	29	28	28	29	30	30		680	
MAX	.06	.10	.08	.05	.08	.05	.06	.06	.15	.12	.09	.10	.06	.08	.08	.06	.06	.07	.07	.09	.06	.05	.05	.04	.050		.29

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-45

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

CINCINNATI, OHIO

SULFUR DIOXIDE
SEPT. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1*	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.001	24	.02
2	.02	.01	.01	.01	.03	.00	.00	.00	.01	.02	.02	.00	.00	.00	.01	.02	.02	.01	.00	.00	.00	.00	.01	.01	.008	24	.04
3	.01	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.005	24	.03
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.02	.01	.01	.01	.00	.00	.01	.01	.00	.00	.003	24	.02
5	.00	.00	.00	.00	.00	.00	.01	.00			.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.01	.01	.01	.01	.008	22	.03
6	.01	.01	.01	.01	.01	.03	.03	.03	.04	.06	.08	.05	.04	.03	.04	.04	.03	.03	.01	.01	.01	.01	.01	.01	.026	24	.11
7*	.01	.01	.01	.01	.01	.01	.01	.01	.02	.03	.03	.05	.11	.10	.03	.02	.01	.01	.01	.01	.02	.01	.01	.01	.023	24	.12
8*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.01	.01	.01	.01	.01	.008	24	.02
9	.01	.01	.01	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.03	.010	24	.05
10	.01	.01	.01	.01	.01	.04	.03	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.04	.03	.01	.01	.01	.01	.015	24	.07
11	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01		.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.011	23	.03
12	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.012	24	.04
13	.01	.01	.01	.01	.01	.01	.01	.01	.03	.06	.03	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.014	24	.08
14*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.010	24	.05
15*	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.09	.08	.01	.01	.016	24	.18
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.01	.00	.00	.00	.00	.01	.06	.06	.05	.07	.05	.013	24	.12
17	.12	.02	.01	.00	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.013	24	.14
18	.00	.01	.01	.00	.01	.00	.01	.01	.00	.01	.00	.00	.04	.02	.01	.06	.01	.00	.00	.00	.00	.00	.00	.00	.008	24	.17
19	.00	.00	.00	.00	.00	.02	.05	.01	.00			.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.009	22	.11
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.006	24	.04
21*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01	.00	.01	.01	.01	.01	.01	.010	24	.03
22*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.006	24	.03
23	.01	.01	.01	.01	.00	.00	.01	.01	.02	.03	.07	.06	.06	.03	.03	.03	.06	.07	.05	.04	.04	.04	.03	.03	.031	24	.09
24	.02	.02	.02	.02	.02	.02	.02	.02	.03	.05	.05	.05	.06	.03	.02	.02	.03	.05	.04	.03	.03	.02	.02	.02	.030	24	.07
25	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.021	24	.04
26	.02	.04	.09	.15	.07	.03	.03	.03	.11	.30	.09	.02	.02	.04	.04	.05	.04	.04	.03	.03	.04	.04	.04	.04	.060	24	.34
27	.04	.05	.03	.03	.03	.03	.04	.06	.05	.05	.03				.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.026	21	.06
28*	.01	.01	.01	.01	.01	.01	.01	.02	.03	.05	.07	.06	.05	.06	.05	.03	.03	.03	.03	.03	.02	.02	.02	.02	.028	24	.08
29*	.01	.01	.01	.01	.01	.02	.02	.02	.03	.04	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.020	24	.04
30	.01	.02	.02	.01	.01	.01	.02	.03	.04	.10	.11	.03	.02	.02	.02	.05	.05	.03	.03	.02	.02	.02	.02	.02	.031	24	.17
MEAN	.01	.01	.01	.01	.01	.01	.01	.01	.02	.03	.03	.02	.02	.02	.02	.02	.02	.02	.01	.01	.02	.02	.01	.01	.016		
NO	30	30	30	30	30	30	30	30	29	28	29	29	28	29	30	30	30	30	30	30	30	30	30	30		712	
MAX	.12	.05	.09	.15	.07	.04	.05	.06	.11	.30	.11	.06	.11	.10	.05	.06	.06	.07	.05	.06	.09	.08	.07	.05	.060		.34

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-46

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

CINCINNATI, OHIO

SULFUR DIOXIDE
OCT. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.02	.02	.02	.01	.01	.01	.01	.02	.03	.04	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.019	24	.04
2	.02	.02	.02	.01	.01	.01	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.013	24	.03
3	.01	.01	.01	.01	.02	.02	.02	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.03	.03	.04	.04	.02	.01	.016	24	.06
4	.01	.01	.01	.01	.01	.02	.02	.03	.03	.02	.02			.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.017	22	.03
5*	.02	.02	.02	.02	.02	.02	.02	.02	.03	.06	.04	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.06	.11	.029	24	.15
6*	.09	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.03	.04	.04	.04	.04	.035	24	.14
7	.04	.04	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05			.046	22	.08
8																											
9																											
10								.06	.02	.03	.03			.02	.03	.03	.03	.02	.02	.03	.03	.03	.03	.03	.029	19	.06
11	.03	.03	.03	.03	.03	.05	.05	.06	.04	.04	.13	.10	.05	.06	.04	.03	.03	.03	.03	.03	.03	.03	.04	.03	.044	24	.20
12*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.07	.06	.07	.08	.03	.03	.02	.04	.07	.07	.06	.05	.05	.05	.044	24	.13
13*	.04	.04	.03	.03	.03	.03	.03	.03	.03	.02	.03	.03	.03	.03	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.028	24	.04
14	.03	.03	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.03	.02	.02	.03	.025	24	.04
15	.03	.02	.02	.02	.02	.02	.03	.03	.03	.04	.04	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.024	24	.04
16	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.02	.021	24	.04
17	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02		.01	.02	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.013	23	.04
18	.00	.00	.00	.00	.00	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.015	24	.04
19*	.03	.03	.03	.03	.02	.02	.02	.02	.03	.05	.05	.04	.05	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.028	24	.08
20*	.03	.03	.03	.03	.03	.05	.05	.07	.07	.08	.05	.03	.04	.03	.02	.02	.02	.02	.02	.02	.03	.03	.03	.02	.035	24	.14
21	.02	.02	.02	.02	.02	.03	.05	.05	.05	.05	.07	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.027	24	.08
22	.02	.02	.02	.02	.02	.02	.03	.03	.03	.04	.03	.02	.02	.03	.03	.02	.03	.03	.02	.02	.02	.02	.02	.02	.024	24	.05
23	.04	.05	.02	.02	.02	.02	.04	.02	.02	.03	.02	.02	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.03	.03	.025	24	.09
24	.03	.03	.03	.03	.03	.03	.04	.04	.03	.03		.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.020	23	.05
25	.00	.00	.01	.03	.02	.02	.01	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01	.013	24	.05
26*	.01	.01	.01	.01	.01	.02	.04	.09	.09	.05	.02	.04	.03	.02	.01	.00	.00	.00	.00	.02	.02	.01	.02	.02	.022	24	.10
27*	.01	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.02	.00	.02	.05	.02	.01	.01	.012	24	.07
28	.01	.01	.01	.01	.01	.02	.01	.02	.02	.03	.02	.01	.00	.00	.01	.01	.00	.02	.03	.02	.01	.01	.02	.03	.013	24	.05
29	.02	.02	.02	.03	.03	.02	.02	.03	.05	.03	.02	.02	.01	.01	.02	.02	.01	.01	.01	.01	.02	.02	.02	.03	.020	24	.05
30	.02	.02	.02	.02	.02	.02	.02	.03	.05	.05	.06	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.02	.02	.025	24	.10
31	.02	.02	.02	.02	.02	.02	.02	.03	.02	.03	.03		.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.021	23	.05
MEAN	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.024		
NO	28	28	28	28	28	28	28	29	29	29	27	26	27	29	29	29	29	29	29	29	29	29	28	28		680	
MAX	.09	.05	.04	.04	.04	.05	.05	.09	.09	.08	.13	.10	.07	.08	.05	.05	.05	.05	.07	.07	.06	.05	.06	.11	.046		.20

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-47

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM

CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
NOV. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.01	.01	.01	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.02		.01	.01	.03	.01	.01	.03	.05	.01	.00	.021	23	.07
2*	.00	.00	.01	.04	.03	.01	.01	.01	.01	.01	.02	.02	.00	.00	.06	.03	.11	.06	.03	.03	.03	.02	.02	.02	.023	24	.38
3*	.02	.01	.01	.01	.02	.02	.02	.02	.02	.02	.03	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.010	24	.03
4	.01	.01	.02	.02	.01	.03	.04	.04	.04	.05	.04	.04	.03	.03	.03	.04	.03	.02	.01	.06	.04	.04	.04	.03	.033	24	.07
5	.03	.02	.02	.02	.02	.02	.04	.07	.06	.06	.06	.07	.08	.06	.03	.03	.04	.03	.03	.04	.07	.06	.06	.04	.044	24	.08
6	.03	.04	.05	.03	.06	.03	.04	.04	.06	.06			.02				.04	.03	.03	.04	.03	.04	.04	.04	.039	19	.07
7	.03	.04	.03	.03	.01	.03	.03	.03	.02	.03	.02	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.01	.020	24	.12
8	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.017	24	.03
9*	.01	.03	.03	.02	.01	.06	.03	.05	.10	.09	.04	.05	.04	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.030	24	.15
10*	.01	.01	.01	.02	.01	.01	.01	.02	.02	.02	.01	.02	.02	.02	.01	.02	.01	.02	.02	.02	.02	.02	.02	.02	.015	24	.04
11	.06	.06	.05	.04	.04	.04	.04	.05	.05	.05	.04	.04	.04	.04	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.034	24	.07
12	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.022	24	.03
13	.03	.03	.03	.03	.02	.03	.03	.05	.09	.06	.03	.03	.05	.04	.03	.02	.02	.02	.04	.03	.03	.04	.04	.03	.036	24	.10
14	.03	.02	.02	.02	.02	.02	.02	.03	.03	.03	.02	.02	.02	.02		.03	.03	.02	.02	.02	.02	.02	.02	.02	.022	23	.04
15	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.01	.01	.02	.02	.01	.01	.01	.01	.02	.02	.02	.014	24	.04
16*	.02	.01	.03	.01	.01	.02	.02	.02	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.009	24	.04
17*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.001	24	.03
18	.00	.00	.00	.00	.00	.00	.00	.02	.03	.03	.01	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.007	24	.10
19	.04	.05	.01	.01	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.005	24	.06
20	.00	.00	.01	.00	.00	.00	.02	.00	.00	.00	.01	.00	.00	.00			.00	.00	.00	.01	.00	.00	.00	.00	.002	22	.06
21	.00	.00	.00	.00	.00	.00	.01	.05	.04	.04	.02	.01	.01	.01	.00	.00	.01	.01	.02	.04	.05	.05	.05	.03	.019	24	.06
22	.02	.02	.01	.01	.01	.01	.01	.03	.05	.06	.08	.04	.01	.01	.01	.01	.02	.01	.01	.02	.02	.02	.02	.02	.021	24	.09
23*	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.007	24	.04
24*	.00	.00	.00	.00	.00	.00	.01	.00	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.04	.05	.10	.09	.013	24	.15
25	.03	.08	.08	.06	.03	.03	.03	.03	.04	.04	.03	.02	.01	.01	.02	.01	.04	.05	.05	.05	.04	.05	.04	.02	.036	24	.09
26	.01	.01	.01	.01	.01	.01	.02	.03	.03	.01	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.007	24	.04
27	.00	.00	.00	.00	.01	.00	.01	.01	.02	.03	.03	.02	.01	.01			.00	.00	.01	.01	.00	.03	.04	.04	.013	22	.06
28	.02	.01	.01	.00	.01	.01	.01	.00	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.005	24	.05
29	.00	.00	.00	.00	.01	.02	.01	.01	.01	.02	.07	.05	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.03	.014	24	.09
30*	.04	.03	.03	.03	.02	.02	.01	.01	.01	.01	.03	.03	.03	.02	.01	.02	.01	.00	.00	.00	.00	.00	.00	.00	.015	24	.07
MEAN	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.02	.02	.01	.01	.01	.02	.01	.01	.02	.02	.02	.02	.02	.018		
NO	30	30	30	30	30	30	30	30	30	30	29	29	30	29	25	27	30	30	30	30	30	30	30	30		709	
MAX	.06	.08	.08	.06	.04	.06	.04	.07	.10	.09	.08	.07	.08	.06	.06	.04	.11	.06	.05	.06	.07	.06	.10	.09	.044		.38

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

5181

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-48

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

CINCINNATI, OHIO

SULFUR DIOXIDE
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	.01	.01	.03	.03	.04	.04	.03	.02	.02	.02	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.017	24	.06
2	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.02	.02	.02	.02	.02	.018	24	.04
3	.01	.01	.01	.01	.01	.01	.02	.02	.03	.03	.03	.02	.03	.03	.06	.05	.04	.03	.03	.02	.03	.03	.03	.01	.024	24	.08
4	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.01			.01	.00	.00	.00	.00	.00	.00	.00	.009	22	.04
5	.00	.00	.00	.01	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00	.01	.01	.01	.02	.01	.02	.02	.06	.04	.01	.011	24	.09
6	.00	.00	.01	.02	.02	.01	.01	.04	.04	.05	.04	.02	.02	.03	.02	.03	.02	.02	.03	.03	.01	.01	.02	.01	.021	24	.07
7*	.01	.02	.03	.04	.03	.02	.02	.01	.02	.02	.02	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.016	24	.04
8*	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.01	.005	24	.02
9	.01	.01	.01	.01	.02	.04	.03	.02	.02	.03	.03	.03	.03	.02	.01	.01	.01	.01	.00	.00	.01	.01	.00	.00	.015	24	.06
10	.00	.00	.00	.00	.00	.00	.00	.02	.05	.06	.11	.15	.12	.07	.05	.05	.04	.03	.03	.03	.03	.03	.05	.08	.042	24	.16
11	.07	.05	.05	.05	.04	.05	.05	.04	.03	.04	.03	.03	.03	.03			.01	.01	.02	.02	.01	.01	.02	.01	.032	22	.08
12	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.005	24	.02
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.01	.00	.00	.00	.03	.00	.00	.00	.00	.00	.003	24	.10
14*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.01	.01	.00	.00	.00	.01	.002	24	.02
15*	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	24	.01
16	.00	.00	.00	.00	.00	.00	.01	.02	.06	.07	.03	.03	.01	.01	.01	.05	.10	.15	.07	.03	.02	.02	.07	.03	.033	24	.41
17	.02	.02	.02	.02	.02	.02	.03	.03	.04	.04	.05	.05	.04	.04	.03	.03	.04	.04	.04	.03	.03	.03	.03	.03	.032	24	.08
18	.02	.02	.01	.01	.01	.01	.01	.01	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.011	24	.04
19	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.01	.02	.00	.00	.01	.00	.00	.006	24	.05
20	.02	.01	.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.02	.01	.02	.00	.00	.00	.01	.00	.00	.00	.00	.00	.006	24	.04
21*	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	24	.02
22*	.01	.00	.00	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.006	24	.05
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.003	24	.11
24	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	24	.05
25	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.03	.01	.00	.00	.00	.01	.00	.00	.00	.04	.14	.10	.04	.018	24	.20
26	.04	.08	.10	.09	.04	.02	.02	.08	.05	.03	.02	.01	.01	.01			.01	.01	.01	.01	.01	.01	.01	.01	.031	22	.15
27	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.006	24	.03
28*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.01	.02	.03	.02	.005	24	.05
29*	.04	.05	.03	.01	.01	.01	.00	.02	.01	.01	.01	.05	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.016	24	.09
30	.01	.01	.01	.01	.01	.01	.01	.01	.05	.05	.05	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.015	24	.09
31	.01	.00	.00	.01	.01	.02	.03	.01	.01	.02	.02	.01	.02	.01	.01	.01	.01	.01	.01	.01	.03	.03	.04	.03	.015	24	.07
MEAN	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01	.014		
NO	31	31	31	31	31	31	31	31	31	31	31	31	31	31	28	28	31	31	31	31	31	31	31	31		738	
MAX	.07	.08	.10	.09	.04	.05	.05	.08	.06	.07	.11	.15	.12	.07	.06	.05	.10	.15	.07	.03	.04	.14	.10	.08	.042		.41

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-49

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

CINCINNATI, OHIO

TOTAL HYDROCARBON
JAN. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	2.0		2.1	2.2	2.2	2.2	2.3	2.2	2.3	2.2			1.8	1.7	1.7	1.7	1.9	1.8	1.9	2.0	2.0	2.1	2.2	2.3	2.02	21	2.4
2	2.3	2.4	2.2	2.1	2.2	2.1	2.4	2.4	2.4	2.3	2.5	2.6	2.8	2.5	2.4	3.3	2.7	2.7	2.4	2.4	2.3	2.4	2.5	2.6	2.44	24	4.2
3	2.8	3.0	2.7	2.4	2.5	2.1	2.1	2.3	2.2	2.4	2.4	2.8	2.8	2.9	3.0	2.8	2.8	2.9	2.5	2.4	2.3	2.6	2.3	2.3	2.55	24	3.4
4	2.0	2.1	2.1	2.0	1.9	1.9	2.0	2.2	2.5			2.5	2.5	2.4	2.2	2.1	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.17	22	2.7
5	2.4	2.3	2.4	2.6	2.6	2.5	2.5	2.7	3.2	2.7	2.4	2.3	2.3	2.5	4.5	2.8	2.7	2.7	2.5	2.5	2.5	2.6	2.5	2.5	2.62	24	8.2
6*																											
7*																											
8	2.3	2.3	2.3										2.5	2.4	2.4	2.4	2.5	2.4	2.3	2.3	2.3	2.4	2.2	2.2	2.34	15	3.1
9																											
10																											
11		2.7	2.7	2.7	2.6	2.7	2.8	2.9	3.0	2.7	2.7	2.6	2.6	2.6	2.6		2.7	2.8	2.7	2.6	2.6	2.5	2.6	2.6	2.66	22	3.1
12	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.9			2.4	2.4	2.4	2.3	2.3	2.4	2.6	2.4	2.4	2.5	2.8	2.6	2.8	2.5	2.53	22	3.6
13*	2.5	2.3	2.3	2.3	2.4	2.2	2.1	2.3	5.9	4.1	2.8	2.8	2.6	2.5	2.6	2.7	3.0	2.8	2.6	2.6	3.3	2.8	3.8	4.0	2.87	24	8.3
14*																											
15																											
16																											
17		2.1	2.2	2.1	1.9	2.1	2.8	3.8				2.9	3.0	3.0	2.4	2.2	2.2	2.6	2.4	2.4	2.4	2.3	2.1	2.2	2.45	20	4.7
18	2.7	2.8	3.1	3.1	3.2	3.3	3.5	4.9	4.9			14.5	7.6	6.0	4.8	4.1	3.8	4.1	3.8	4.2	4.1	3.7	4.0	4.7	4.58	22	18.1
19	4.2	3.7	3.7	3.4	3.4	3.7	4.2	3.9				3.3	3.0	3.1	3.0	2.9	3.2	3.6	4.4	3.9	4.7	4.7	4.3	4.1	3.72	21	5.5
20*	4.3	4.4	3.9	3.3	3.2	3.1	3.2	3.7	4.6	4.2	3.9	3.5	3.7	3.4	3.3	3.3	3.4	3.5	3.5	3.4	3.6	3.6	3.4	3.6	3.61	24	5.2
21*	3.7	3.7	3.7	3.7	4.0	3.9	3.0	3.7	3.5	3.2	2.9	2.8	2.9	3.2	3.4	3.4	3.6	3.9	3.3	3.2	3.3	3.1	3.6	3.3	3.40	24	4.5
22	3.8	3.0	3.0	2.9	2.9	2.9	3.3	3.4	3.8	3.4				4.2	3.6	3.4	3.5	3.9	3.4	3.6	4.0	4.1	3.9		3.48	20	7.5
23	3.1	3.0	2.9	2.7	2.5	2.5	2.7			3.2	3.2	3.1	3.2	3.2		3.8	2.8	2.7	2.7	2.5	2.3	2.2	2.3	2.4	2.79	21	5.0
24																											
25																											
26																											
27*																											
28*																											
29																											
30																											
31																											
MEAN			2.7											3.0			2.8	2.9	2.8	2.8	2.9	2.9	2.9				
NO	14	15	16	15	15	15	15	14	11	10	9	13	15	16	15	15	16	16	16	16	16	16	16	15		350	
MAX	4.3	4.4	3.9	3.7	4.0	3.9	4.2	4.9	5.9	4.2	3.9	14.5	7.6	6.0	4.8	4.1	3.8	4.1	4.4	4.2	4.7	4.7	4.3	4.7	4.58		18.1

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-50

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

CINCINNATI, OHIO

TOTAL HYDROCARBON
FEB. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1																											
2																											
3*																											
4*																											
5																											
6																											
7																											
8	2.7	2.4	2.5	2.5	2.2	2.4	2.7	2.9	2.9			2.2	2.2	2.1	2.4	2.6	2.4	2.4	2.3	2.2	2.2	2.1	2.1	2.1	2.38	22	5.0
9	2.1	2.2	2.3	2.5	2.2	2.3	2.3	2.1	2.4			2.8	2.5	2.3	2.2	1.9	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	2.08	22	4.2
10*	1.7	1.9	2.0	2.1	2.0	2.1	1.8	2.2	2.1	2.1	1.9	1.8	2.0	1.9	1.8	1.9	2.0	1.7	1.8	2.0	2.3	2.0	2.1	2.3	1.96	24	4.0
11*	1.9	1.8	1.8	2.0	1.9	2.0	1.9	2.3	2.0	1.9	2.0	1.8	1.9	1.8	1.7	1.7	1.7	1.8	1.7	1.9	1.9	1.9	1.9	1.8	1.87	24	3.7
12																											
13		2.3	2.4	2.4	2.3	2.2	2.0	2.1	1.8	1.7	1.8	1.9	1.8	1.6			2.1	2.1	2.4	3.0	3.1	3.7	3.8	3.5	2.36	21	7.9
14	2.9	2.8	3.1	2.6	2.4	2.6	2.5	2.5	2.3	2.0	2.0	2.1	2.1	2.1	2.2	2.1	2.3	2.1	2.2	2.3	2.2	2.3	2.1	2.8	2.34	24	5.1
15	3.2	2.3	2.4	2.5	2.4	2.0	2.2	2.2	2.2	2.0	1.9	1.9	2.0												2.24	13	6.3
16																											
17*		2.3	2.0	1.8	1.8	1.8	1.8	1.9	1.9	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.6	2.4	2.4	2.3	2.3	2.05	23	3.9
18*	2.3	2.4	2.4	2.4	2.8	2.4	2.6	2.4	2.3	2.3	2.2	2.2	2.1	2.3	2.2	2.1	2.2	2.3	2.3	3.3	3.0	2.9	3.6	3.0	2.48	24	6.4
19	2.8	3.1	3.8	3.1	3.0	2.6	2.8	3.0	2.9	2.8	2.7	2.5	2.5	3.1	2.6	2.6	2.5	2.5	2.5	2.3	2.5	2.2	2.3	2.4	2.70	24	7.5
20	2.6	4.8	2.9	2.8	2.6	4.7	3.5	3.1	2.8	2.5		2.2	2.2	2.1	2.3	2.1	2.0	2.1	2.0	1.9	1.9	1.9	2.0	2.0	2.38	23	5.1
21	2.1	2.1	2.2	2.1	2.3	2.4	2.4	3.2	2.7	2.8	2.8	2.6	2.2	2.2	2.4	2.4	2.5	2.6	2.5	2.5	2.6	2.8	2.8	3.3	2.50	24	6.7
22	3.0	3.1	3.1	2.9	3.3	3.0	3.0	3.1	2.8	2.4	2.5	2.4	2.4	5.0	3.3	2.5	2.5	2.5	2.7	3.0	3.3	2.8	3.2	3.3	2.96	24	10.2
23	3.7	3.0	3.4	3.7	3.9	3.3	3.8	3.7	3.6	2.9	2.9	3.0	2.7	2.5	2.4	2.4	2.6	2.7	3.2	3.9	4.5	5.2	5.6	6.6	3.54	24	7.2
24*	5.7	5.1	6.4	5.5	6.2	5.9	7.3	7.9	8.0	7.3	3.7	2.2	2.2	2.4	2.2	2.3									4.99	16	8.7
25*																											
26																											
27	6.4	7.7	5.9	7.7	4.6	4.4	3.5	3.4	2.8	3.2	3.2	2.8	2.3	2.2	2.2	2.1	2.3	2.4	2.3	2.0	2.1	2.1	2.1	2.0	3.38	24	13.7
28	2.1	2.3	2.1	2.0	2.1	2.3	2.4	2.3	2.5	2.3	2.2	2.1	1.9	1.8	1.7	2.1	2.0	2.0	2.1	2.2	2.5	3.0	3.1	2.3	2.22	24	4.6
29	2.1	2.3	2.2	2.1	2.0	2.1	2.3	2.7	2.0	1.9	1.8	1.9	1.9	1.9	1.8	1.8	1.9	1.9	1.9	1.9	2.1	1.8	1.8	1.8	1.98	24	3.4
MEAN	3.0	2.9	2.9	2.9	2.8	2.7	2.8	2.9	2.8	2.6		2.2	2.1	2.3	2.2	2.2	2.2	2.2	2.2	2.4	2.5	2.5	2.7	2.7	2.55		
NO	16	18	18	18	18	18	18	18	18	16	15	18	18	17	16	16	16	16	16	16	16	16	16	16		404	
MAX	6.4	7.7	6.4	7.7	6.2	5.9	7.3	7.9	8.0	7.3	3.7	3.0	2.7	5.0	3.3	2.6	2.6	2.7	3.2	3.9	4.5	5.2	5.6	6.6	4.99		13.7

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-51

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
MARCH 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	1.6	1.7	1.7	1.8	2.1	1.8	1.8	2.1		2.0	1.9		2.1	2.1	2.0	2.1	2.2	2.3	2.2	2.9	2.4	2.0	2.2	2.1	2.05	22	3.9
2*	2.0	2.0	2.1	2.1	2.3	2.3	2.4	2.3	2.8	2.6	2.3	2.2	2.1	2.0	1.9	1.9	1.9	1.9	2.0	2.4	2.3	2.3	2.2	2.0	2.17	24	3.8
3*	1.9	1.9	1.8	2.0	2.0	1.9	1.9	1.8	1.9	1.9	1.9	1.8	1.9	2.0	2.1	2.1	2.0	2.0	2.2	2.6	2.5	2.6	2.8	2.4	2.06	24	3.6
4																											
5																											
6										2.4	2.5	2.2	2.2		2.1	2.1	2.2	2.3	2.2	2.6	2.3	2.5	2.6	2.3	2.32	14	4.7
7	2.3	2.1	2.0	1.9	2.0	2.2	2.2	2.5	3.0	2.5	2.4	2.3	2.2	2.1	2.0	2.2	3.0	2.0	2.4	3.2	3.2	3.3	5.8	7.5	2.74	24	14.8
8	6.2	6.0	6.8	7.8	8.0	3.8	3.1	3.8	4.5	3.8	2.9	2.4	2.3	2.5	2.3	2.5	2.3	2.7	2.8	2.6	3.0	2.6	2.2	2.1	3.70	24	15.2
9*	2.0	1.9	2.3	2.2	2.2	2.7	2.3	2.7	2.6	2.5	2.3	2.2	2.4	2.3	2.3	2.4	2.4	2.4	2.5	3.3	3.6	2.9	3.2	3.4	2.53	24	6.3
10*	2.5	4.5	2.9	2.4	2.3	2.4	2.3	2.3	2.2	2.1	2.0	2.1	2.1	2.0	2.0	2.0	2.0	1.9	1.8	1.8	1.6	1.7	1.7	1.7	2.08	24	3.7
11	1.8	1.8	1.8	2.2	2.1	2.1	2.1	2.4	2.3	1.9	1.8		1.7	1.6	1.7	1.7	1.9	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.90	23	3.9
12	2.1	2.1	1.8	1.7	1.6	1.7	1.8	2.0	1.9	1.8	1.9	1.9	2.1	1.9	1.9	1.9	2.1	2.0	1.7	1.6	1.6	1.4	1.6	1.5	1.81	24	3.3
13	1.5	1.5	1.5	1.5	1.5	1.6	1.6	2.0	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.9	1.9	1.9	2.5	2.9	2.7	2.9	1.85	24	4.0
14	3.1	3.2	3.9	4.2	4.1	3.0	2.8	3.2	2.6	2.2	2.2	1.8	1.9	1.8	1.9	1.9	2.0	2.2	2.0	2.0	2.1	2.0	2.0	1.9	2.50	24	7.1
15	2.0	2.0	2.0	2.2	1.9	2.0	2.1	2.3	2.2	2.0		1.9	1.9	1.9	2.0	2.3	2.9	3.5	3.9	3.6	4.6	3.3	2.6	2.5	2.49	23	5.5
16*	2.3	2.2	2.2	2.1	2.0	1.9	2.0	2.1	2.3	2.6	2.4	2.0	2.3	2.2	2.0	2.0	1.9	2.2	2.4	4.0	5.9	8.5	7.2	7.2	3.06	24	11.1
17*	7.2	4.3	3.9	3.8	4.8	6.3	7.4	6.8	7.1	6.2	4.1	1.9	1.6	1.8	1.9	1.9	1.9	2.0	1.9	3.1	5.3	6.6	8.1	8.9	4.53	24	15.1
18	7.6	7.1	6.7	6.6	6.3	7.0	6.8	7.2	8.9	5.7	3.2	2.3	1.9	2.0	2.0		2.1	2.3	2.8	3.1	3.9	5.0	8.4	7.4	5.04	23	13.7
19	8.7	7.7	6.1	3.9	3.4	3.5	4.0	3.1	3.6	2.6	2.9	2.7	2.4	2.3	2.1	2.1	2.2	2.3	2.2	2.1	2.3	2.1	2.2	2.2	3.27	24	14.4
20	2.1	3.0	2.6	3.1	3.4	2.5	3.4	3.3	3.7	3.9	2.8	2.5	2.4	2.7	2.0	2.4	2.5	2.7	2.5	2.4	3.0	2.6	2.2	2.2	2.74	24	5.1
21	2.2	2.2	1.9	2.0	1.9	2.0	2.5	4.5	4.3	3.3	3.0	2.3	2.4	2.3	2.1	2.1	2.2	2.4	2.5	2.3	2.1	2.3	2.3	2.2	2.46	24	5.4
22	2.1	2.1	1.9	1.8	1.8	1.9	2.0	2.3	3.0	2.4	2.4	2.5	2.3	2.3	2.4	2.4	3.2	2.3	2.3	2.1	2.0	2.0	1.7	1.6	2.19	24	4.6
23*	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.8	1.8	1.9	1.8	1.8	1.7	1.7	1.8	1.7	1.8	1.9	1.8	1.7	1.8	1.7	1.7	1.7	1.74	24	2.6
24*	1.7	1.6	1.7	1.6	1.7	1.7	2.1	2.1	1.9	1.9	2.0	1.9	2.2	2.3	2.0	2.1	2.0	2.1	2.4	3.0	2.6	2.9	2.5	2.4	2.08	24	4.9
25	2.6	4.2	2.5	2.6	2.7	2.3	2.1	2.4	3.0	2.6	2.2	2.1	2.1		2.1	2.1	2.3	2.4	2.3	2.4	2.8	2.9	2.7	3.0	2.44	23	4.3
26	2.4	2.7	2.3	2.1	2.2	2.3	2.4	2.8	2.7	2.7	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.3	2.5	3.2	3.3	2.3	2.4	2.38	24	4.3
27	2.4	2.7	2.9	3.7	3.4	4.2	4.6	4.2	3.4	3.3	2.7	2.4	2.2	2.1	2.2	2.1	2.1	2.3	2.1	2.2	2.4	2.3	2.7	2.4	2.78	24	5.9
28	2.6	4.3	3.5	2.8	2.8	2.6	2.7	2.7	2.6	2.2	2.2	2.3	2.3	2.3	2.4	2.2	2.2	2.1	2.3	2.4	3.2	3.0	2.5	2.7	2.52	24	5.7
29	2.4	2.4	2.4	2.5	2.7	2.4	2.4	2.6	2.6	2.3	2.4	2.2	2.2	2.3		2.4	2.4	2.8	3.0	1.9	2.3	2.8	3.1	2.5	2.46	23	3.8
30*	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.2	2.0	2.0	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.2	2.4	2.9	3.5	3.0	3.2	3.6	2.26	24	6.6
31*	2.6	1.9	1.8	1.8	1.8	1.9	2.0	1.9	2.0	1.8	1.9	1.8	1.8	2.0	2.3	2.4	2.2	2.8	2.4	1.7	1.5	1.5	1.5	1.4	1.94	24	4.3
MEAN	2.9	2.7	2.7	2.7	2.7	2.6	2.7	2.9	3.1	2.6	2.3	2.1	2.1	2.1	2.0	2.1	2.2	2.3	2.3	2.5	2.8	2.9	3.0	3.0	2.56		
NO	28	28	28	28	28	28	28	28	27	29	28	27	29	27	28	28	29	29	29	29	29	29	29	29		679	
MAX	8.7	7.7	6.8	7.8	8.0	7.0	7.4	7.2	8.9	6.2	4.1	2.7	2.4	2.7	2.4	2.5	3.2	3.5	3.9	4.0	5.9	8.5	8.4	8.9	5.04		15.2

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

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Table 3-52

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	1.5	1.6	1.8	1.6	1.7	1.9	2.1	2.2	2.0	1.8	1.6	1.5	1.6		1.8	1.7	1.9	1.8	1.7	2.0	2.1	2.4	2.3	2.0	1.85	23	3.1
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.4	2.3	2.0	1.9	1.9	1.8	1.9	2.0	2.0	2.1	2.4	2.2	2.1	2.5	2.4	2.4	2.3	2.10	24	3.0
3	1.8	1.6	1.7	1.6	1.8	1.7	1.9	1.9	2.0	2.1	1.9	1.9	2.0	2.4	2.0	2.3	2.3	2.4	2.0	1.9	2.1	1.9	1.6	1.7	1.92	24	3.1
4	1.7	1.4	1.4	1.5	1.6	1.4	1.4	1.7	1.8	1.6	1.6	1.7	1.6	1.6	1.6	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.6	1.5	1.57	24	2.3
5	1.5	1.5	1.5	1.5	1.6	1.7	1.9	2.1	2.1	2.1	2.0	2.1	2.0	2.1	2.1	2.3	2.2	2.3	2.0	2.2	1.9	1.8	1.9	1.8	1.91	24	3.5
6*	1.8	1.9	2.8	2.1	2.0	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.7	1.7	1.6	1.9	1.8	1.7	1.8	1.8	2.5	3.8	4.6	7.3	2.28	24	13.1
7*	7.6	7.0	5.4	5.6	6.1	4.8	5.3	4.7	2.8	2.1	2.0	1.9	1.9	1.8	1.9	1.8	1.7	1.8	2.0	2.2	2.0	1.8	1.8	1.7	3.22	24	9.5
8	1.8	1.9	2.2	1.9	2.3	2.1	2.4	2.4	2.6	2.0	2.2	2.1	1.9	1.9	1.9	2.0	1.9	1.9	2.3	2.2	2.0	2.3	2.8	1.8	2.09	24	3.6
9	2.2	3.1	3.1	4.7	4.2	4.9	4.0	2.9	2.1	1.8	1.7	1.7	1.7	1.9	1.8	1.6	2.2	2.2	2.3	2.3	2.4	3.4	5.2	4.2	2.81	24	10.2
10	6.3	5.3	6.3	6.0	7.6	6.3	6.9	5.1	3.3	3.3	2.2	2.0	2.0	1.8	1.9	1.9	2.1	2.0	2.0	1.9	2.6	2.8	2.5	2.2	3.58	24	12.4
11	2.0	2.0	4.0	3.2	3.9	3.5	4.0	3.8	4.3	3.0	1.9	2.0	1.7	1.8	1.7	1.8	2.0	2.0	2.2	2.4	2.4	2.6	2.1	2.1	2.59	24	7.1
12	2.1	1.9	1.9	2.1	2.3	2.4	2.6	2.8	2.8	2.3	2.0	2.0		2.2	2.0	2.1	2.0	2.0	2.1	2.2	2.3	2.6	3.1	4.1	2.32	23	5.7
13*	2.8	2.7	3.4	4.4	3.2	2.7	3.0	2.9	2.6	2.3	2.2	2.2	2.1	2.1	2.1	2.1	2.3	2.5	2.4	2.5	3.1	3.5	2.1	2.3	2.63	24	11.1
14*	2.9	2.7	2.2	1.7	1.8	1.7	1.7	1.8	1.8	2.0	2.0	1.8	1.8	1.9	2.0	1.9	2.0	2.0	2.0	1.8	1.9	1.7	1.9	2.2	1.95	24	4.9
15	2.3	2.2	2.2	2.1	2.3	1.9	1.9	2.2	1.9	1.9	1.9	1.8	1.7		1.8	1.8	2.1	2.1	2.2	2.0	2.1	2.6	3.6	5.4	2.25	23	8.1
16	6.0	4.2	6.1	5.1	6.2	5.8	5.5	4.8	3.2	2.1	2.0	1.9	1.8	1.8	1.9	1.9	2.1	2.0	1.8	2.2	2.5	2.6	2.4	2.2	3.24	24	9.0
17	2.1	2.3	2.1	1.9	1.9	2.2	2.3	2.5	3.1	2.8	2.9	2.7	2.4	2.5	2.4	2.4	2.6	3.1	2.5	2.4	2.1	2.4	2.3	2.6	2.43	24	4.2
18	2.3	2.4	2.4	3.1	3.3	3.5	4.1	4.0	3.2	2.4	2.1	2.2	2.0	1.9	1.9	1.9	2.0	2.2	2.1	2.1	2.0	2.1	2.2	2.1	2.47	24	5.9
19	2.1	2.3	2.3	2.3	2.6	3.4	5.5	4.9	3.1	2.3	2.0	2.4	1.9	1.9	1.9	1.9	2.1	2.1	2.1	2.3	2.7	2.4	2.5	2.4	2.55	24	8.6
20*	2.5	2.4	2.1	2.5	2.2	2.1	2.1	2.2	2.4	2.6	2.2	2.3	2.2	2.2	2.2	2.0	2.1	2.0	2.2	2.5	3.1	2.8	2.9	2.7	2.35	24	4.5
21*	2.5	2.5	3.2	3.4	3.4	3.1	2.9	2.4	1.9	1.9	1.9	2.1	1.9	1.9	1.8	1.8	1.9	2.0	2.1	2.9	3.9	4.8	5.7	4.0	2.73	24	8.0
22	4.1	5.2	4.7	6.0	5.5	4.1	5.6	3.3	2.6	2.2	2.0	1.9	1.7	1.8		1.9	2.1	2.1	2.1	2.3	3.2	2.7	2.5	2.7	3.14	23	8.4
23	2.6	2.5	2.7	2.7	2.5	2.4	2.4	2.7	2.4	2.0	2.1	2.1	2.3	2.3	2.8	2.5	2.5	2.0	1.7	1.7	1.7	1.6	1.7	1.7	2.21	24	4.5
24	1.7	1.9	1.9	2.2	2.0	2.0	2.1	2.1	2.1	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.9	1.8	2.0	1.9	1.9	1.9	1.9	1.9	1.91	24	3.3
25	2.0	1.9	1.9	1.9	1.9	1.7	1.8	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.9	1.9	2.1	2.0	2.1	2.4	2.7	3.1	4.2	3.9	2.18	24	6.3
26	4.0	4.7	4.2	3.9	2.9	3.8	4.2	3.3	2.7		2.3	2.3	2.0	2.3	2.2	2.2	2.2	2.4	2.3	2.4	2.3	2.7	2.4	2.3	2.86	23	6.5
27*	2.3	2.4	3.0	2.7	2.5	2.2	2.6	2.7	2.6	2.1	2.1	2.0	1.9	2.1	2.1	1.8	1.8	1.9	1.9	2.0	2.8	2.4	2.7	3.9	2.34	24	8.5
28*	6.6	6.7	5.7	6.2	5.7	5.9	6.3	5.9	2.3	1.9	1.8	1.7	1.7	1.7	1.7	1.7	1.6	1.7	1.9	2.0	2.2	2.2	2.3	2.9	3.34	24	9.6
29	4.6	5.4	6.7	4.3	2.5	2.3	2.4	2.8	2.4	2.4	2.4	2.2	2.2		2.1	2.0	2.0	2.0	2.2	2.5	3.7	3.4	3.9	4.0	3.04	23	10.6
30	3.1	2.8	2.6	3.0	2.6	2.3	2.4	2.3	2.3	2.0	1.9	1.9	1.8	1.9	1.9	1.9	2.0	1.9	1.9	2.2	2.4	2.6	3.0	3.7	2.35	24	5.0
MEAN	3.0	2.9	3.1	3.1	3.1	2.9	3.2	2.9	2.5	2.2	2.0	2.0	1.9	2.0	1.9	1.9	2.0	2.1	2.0	2.2	2.4	2.6	2.7	2.8	2.47		
NO	30	30	30	30	30	30	30	30	30	29	30	30	29	27	29	30	30	30	30	30	30	30	30	30		714	
MAX	7.6	7.0	6.7	6.2	7.6	6.3	6.9	5.9	4.3	3.3	2.9	2.7	2.4	2.5	2.8	2.5	2.6	3.1	2.5	2.9	3.9	4.8	5.7	7.3	3.58		13.1

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-53

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
MAY 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	2.4	2.1	2.3	2.2	2.7	4.8	3.1	2.7	3.2	2.7	2.2	2.1	2.0	2.0	2.1	2.2	2.0	2.0	1.8	2.0	2.2	2.3	2.2	2.1	2.31	24	4.4
2	2.0	2.0	2.0	2.5		5.7	4.0	3.8	2.7	2.4	2.2	2.2	2.1	2.2	2.2	2.3	2.3	2.4	2.5	3.1	4.5	4.7	5.5	4.0	3.01	23	8.4
3	3.7	3.3	4.1	4.9	3.5	4.0	3.1	2.6	2.5	2.6	2.4	2.5	2.4		2.4	2.2	2.2	2.0	2.1	2.8	2.4	2.7	2.9	2.8	2.87	23	6.5
4*	2.0	1.9	1.9	2.0	2.7	2.9	3.1	2.9	2.5	2.2	4.2	2.6	1.9	1.9	1.9	2.0	1.8	2.0	2.2	2.3	2.0	1.7	1.7	1.9	2.22	24	7.1
5*	2.0					1.9	1.8	1.8	1.7	1.9	1.7	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.7	1.8	2.1	2.0	1.8	1.71	20	2.9
6	1.8					5.4	5.3	3.9	2.3	1.6						1.6	1.5	1.5	1.5	1.6	1.8	2.1	2.0	1.7	2.36	15	6.7
7	1.8	1.7	1.7	1.7	1.8	1.9	2.3	2.4	2.1	1.8	1.7	1.7	1.6	1.7	1.9	1.9	1.8	1.6	1.7	1.9	2.3	2.7	2.4	2.1	1.93	24	2.9
8	2.0	2.1	1.9	2.0	2.2	2.1	2.4	2.3	2.1	1.8	1.9	1.8	1.7	1.9	1.9	1.9	2.0	1.9	1.7	1.8	1.9	1.7	1.8	1.6	1.92	24	3.4
9	1.6	1.5	1.6	1.7	1.6	1.6	1.9	2.2	2.1	2.6	2.5	2.0	1.8	1.8	1.8	1.9	2.0	1.9	2.1	2.4	2.2	2.6	1.9	1.7	1.94	24	4.4
10	2.5	3.0	2.4	2.4	2.6	2.9	2.9	2.6		2.9	2.6	2.7	2.6	2.9	2.5	2.2	2.5	3.0	2.5	3.4	2.6	2.5	2.9	2.6	2.67	23	6.5
11*	2.5	1.9	1.9	1.6	1.8	1.8	1.8	2.0	2.1	2.1	2.1	2.1	2.3	2.1	2.1	1.8	1.7	1.9	2.1	2.2	2.0	2.0	2.1	2.1	1.99	24	3.1
12*	2.2	2.2	2.3	2.0	2.0	2.1	1.9	1.8	1.8	1.8	2.2	1.7	2.0	1.9	1.9	1.9	1.9	2.0	1.8	1.8	2.1	2.0	2.5	2.8	2.00	24	3.9
13	4.6	4.6	6.1	6.3	5.8	6.0	8.9	4.4	2.4	2.1	1.8	1.6	1.7	1.6		1.7	1.7	1.7	1.8	1.8	1.9	2.2	1.9	2.0	3.23	23	10.8
14	1.9	1.9	1.8	1.8	2.0	2.1	2.6	2.6	2.9	3.1	2.4	1.8		2.0	2.0	1.7	1.7	1.8	2.0	2.1	2.1	2.2	2.3	2.1	2.10	23	3.9
15	2.1	2.1	2.0	2.0	2.0	2.2	2.3	2.7	2.2	2.0	2.2	1.8	2.0	2.1	1.8	2.0	2.4	2.1	2.3	2.8	1.8	1.9	1.8	1.7	2.07	24	3.9
16	1.8	1.8	1.8	1.5	1.8	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.8	1.7	1.7	1.7	1.6	1.9	1.9	2.2	2.2	2.0	1.72	24	5.0
17	2.4	2.0		2.3	2.4	3.3	3.8	2.5	2.5	2.3		2.4	2.3	2.1	1.9	2.6	2.8	2.1	2.4	2.7	2.5	2.7	2.3	2.4	2.49	22	8.2
18*	2.2	2.4	2.1	1.8	1.8	1.9	2.2	2.6	2.1	1.9	2.0	1.9	2.2	1.7	1.8	2.0	1.8	2.4	2.0	2.4	2.4	2.3	2.1	1.9	2.06	24	5.3
19*	1.8	2.5	2.2	2.2	2.3	2.2	1.9	1.6	1.9	1.7	1.7	1.8	1.8	1.6	1.8	1.7	1.7	1.6	1.8	1.9	2.0	2.1	2.3	1.8	1.91	24	5.2
20	2.0	2.1	2.0	2.0	2.3	2.4	2.4	2.2	2.0	2.0	1.8	1.9	1.7	1.7			2.1	1.9	1.7	1.8	1.7	2.1	1.9	2.1	1.98	22	4.8
21	1.9	1.9	2.1	2.5	2.8	2.5	3.1	2.6	2.1	1.7	1.7	1.7	1.8	1.7	1.9	1.9	1.8	2.1	1.7	2.5	3.3	3.7	3.8	3.6	2.34	24	9.8
22	4.2	5.0	4.6	4.7	5.0	4.7	6.5	7.7				1.9	2.3	1.6	1.8	1.9	1.7	2.2	2.7	2.4	2.4	2.9	2.2	2.2	3.35	21	10.2
23	1.9	1.8	1.6	1.5	1.5	1.6	2.5	2.3	2.3	2.3	2.2	2.0	1.9	2.3	2.2	2.1	2.4	2.8	2.3	2.5	2.5	2.1	2.0	2.0	2.11	24	6.3
24	1.6	1.6	1.9	1.8	1.7	1.8	2.0	2.5	2.3	2.8	2.7	2.7		2.9	2.6	2.7	2.6	2.3	2.4	2.1	2.2	2.5	2.0	2.0	2.23	23	5.5
25*	1.8	1.7	1.7	1.6	1.6	1.9	2.0	1.8	1.8	1.8	1.8	1.7	1.7	1.8	1.6	1.5	1.7	1.9	2.0	2.9	2.2	2.8	2.2	2.3	1.90	24	4.9
26*	2.1	2.2	1.8	1.7	1.8	1.7	1.6	1.7	1.8	1.6	1.6	1.7	1.6	1.7	1.8	1.8	1.8	2.3	1.8	1.8	2.0	2.0	1.9	2.2	1.83	24	4.1
27	2.1	1.6	1.6	1.6	1.6	2.2	2.7	2.2	2.5	2.0	1.9	1.9	1.9	1.8		2.0	2.0	2.0	1.9	2.0	2.2	2.1	2.2	1.8	1.98	23	4.9
28	2.3	2.2	2.2	2.0	2.0	2.1	2.5	2.6	2.5	2.4	2.0	2.0	2.0	1.8	1.8	2.1	2.0	2.0	2.0	2.2	2.3	2.7	3.6		2.22	23	4.5
29		3.6	4.1	4.4	4.5	4.8	5.4	4.6	3.3	3.0	2.7	2.1	1.9	1.9	2.0	1.9	1.8	2.1	2.1	2.5	2.6	2.8	2.7	2.8	3.01	23	7.1
30	2.4	2.7	2.6	2.4	2.9	2.8	2.2	2.3	2.2	2.0	1.9	1.8	1.7	1.7	1.6	1.5	1.5	1.7	1.8	2.0	2.1	2.2	3.0	3.8	2.19	24	5.8
31	3.5	3.1	3.2	3.1	3.4	3.9	4.8	3.5	2.9		2.1	1.8	1.8	1.6	1.8	2.1	1.9	2.2	2.6	2.2	3.0	3.8	3.8	3.2	2.82	23	9.2
MEAN	2.3	2.3	2.4	2.4	2.5	2.8	3.0	2.7	2.3	2.2	2.1	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.2	2.3	2.5	2.4	2.3	2.27		
NO	30	29	28	29	28	31	31	31	29	29	28	30	28	29	27	30	31	31	31	31	31	31	31	30		714	
MAX	4.6	5.0	6.1	6.3	5.8	6.0	8.9	7.7	3.3	3.1	4.2	2.7	2.6	2.9	2.6	2.7	2.8	3.0	2.7	3.4	4.5	4.7	5.5	4.0	3.35		10.8

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-54

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

CINCINNATI, OHIO

TOTAL HYDROCARBON
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX.
1*	4.0		2.8	2.1	2.4	3.1	2.2	2.8	2.7	2.3	2.2	2.1	1.9	1.9	2.1	2.1	2.0	2.4	2.2	2.5	2.8	2.5	2.4	2.4	2.45	23	7.5
2*	2.4	1.9	2.5	2.2	2.9	2.4	2.6	2.9	2.2	1.8	1.5	1.6	1.5	1.6	1.7	1.7	1.8	1.8	2.3	2.8	2.9	3.9	3.7	3.2	2.30	24	6.4
3	2.6	1.7	2.7	2.3	2.1	3.1	3.5	3.2	2.8	2.6	2.5	2.1		2.2	2.1	1.7	2.0	1.8	2.5	2.1	2.2	2.4	2.5	4.9	2.50	23	13.0
4	8.9	5.8	4.7	4.3	6.3	5.6	7.2	9.0	5.0	2.6	1.8	1.7	1.8	1.8	1.8	1.8	1.7	1.6	1.9	2.0	2.4	2.4	2.4	2.3	3.51	24	16.1
5	5.1	6.7	5.6	6.1	6.1	6.7	7.1	7.1	3.7	2.3	2.0	1.9	2.3	2.2	2.1	2.0	2.1	1.7	3.2	2.4	3.9	4.6	6.2	6.1	4.13	24	13.6
6	5.7	5.3	5.6	5.8	6.1	4.8	6.7	8.1	4.8	2.9	2.4	2.2	2.0	1.9	1.9	2.0	2.8	1.8	1.9	2.3	3.2	4.7	5.3	5.7	3.99	24	17.3
7	6.0	6.2	5.2	5.7	6.5	7.1	8.3	10.5	10.2	4.0	2.4	1.9	1.9		1.9	2.1	2.0	1.9	2.1	2.4	2.5	3.1	6.1	6.1	4.59	23	12.0
8*	6.3	7.2	6.6	6.7	7.9	7.0	7.3	7.4	3.3	3.1	2.7	2.3	2.0	1.8	1.5	1.5	1.4	1.4	2.2	2.3	2.4	4.9	4.6	4.2	4.07	24	14.9
9*	6.0	5.4	5.0	5.3	6.0	4.5	5.7	6.0	3.9	2.1	2.4	2.0	1.6	1.7	1.5	1.6	1.6	1.8	2.4	3.0	2.8	2.7	2.6	2.4	3.31	24	17.2
10	2.4	3.7	2.7	2.2	2.6	4.0	5.9	4.1	3.8	3.1	2.3	2.0	2.0		2.2	2.1	2.0	2.1	2.2	2.5	2.1	2.1	2.0	2.2	2.69	23	10.7
11	2.6	3.2	3.7	3.7	3.9	3.9	5.4	3.2	3.1	2.7	2.0	2.6	1.9	1.9	1.8	2.1	2.1	2.1	2.0	2.2	2.6	2.0	2.2	2.4	2.68	24	10.1
12	3.1	2.2	2.2	2.3	2.0	1.9	2.5	2.1	1.8	1.6	1.9	2.1	1.9	1.8	1.9	1.9				1.3	1.9		1.7		1.99	19	8.3
13		1.7	1.7	1.7	1.4	1.8	2.1	1.6	1.6	1.5	1.6	1.5	1.6	1.5	1.6	1.6	1.6	1.9	1.9	2.2	2.6	3.8	4.1	3.1	1.97	23	6.7
14	3.3	3.6	3.2	2.5	2.8	2.4	2.5	2.7	2.5	2.3		1.8	1.8	1.8	2.0	1.9	1.9	1.9	1.7	2.0	2.8	3.2	3.0	2.7	2.43	23	5.6
15*	2.8	2.6	2.3	3.4	2.8	2.6	2.5	2.4	2.3	2.1	2.0	2.0	2.2	1.8	1.7	1.8	1.8	1.9	1.7	1.8	1.9	2.4	2.4	2.0	2.19	24	8.9
16*	1.7	1.8	1.7	1.5	1.6	1.5	1.6	2.0	2.1	1.5	1.8	1.4	1.5	1.6	1.5	1.7	1.2	1.4	1.3	1.5	1.7	2.0	1.6	1.4	1.60	24	4.6
17	1.6	1.4	1.5	1.7	1.5	1.6	2.1	2.1	1.8	1.6	1.7	1.8	1.7		1.5	2.0	1.7	1.8	1.5	1.5	1.9	3.1	3.4	3.5	1.90	23	6.0
18	4.1	3.8	4.3	3.3	3.1	3.0	3.1	3.0	3.2	2.0	1.5	2.0	1.6	1.6	1.7	1.9	1.7	1.8	1.5	1.9	1.9	2.7	2.4	2.5	2.47	24	10.8
19	2.0	2.5	2.0	2.3	2.1	2.2	2.8	2.7	2.2	2.4	2.1	1.5	1.6	1.7	1.5	1.6	1.7	1.5	1.6	1.8	3.2	3.3	3.3	5.5	2.28	24	7.5
20	2.4	1.7	1.6	1.2	1.2	1.4	2.3	2.1	1.9	1.2	1.2	1.4	1.4	1.2	1.3	1.7	1.6	1.4	1.2	1.2	1.8	3.0	3.7	4.8	1.81	24	10.4
21	5.2		4.1	3.4	3.6	3.9	4.6	3.1	2.1	1.7			1.9	1.7	2.1	1.9	2.2	1.9	2.0	1.9	2.5	3.4	3.3	2.1	2.78	21	10.9
22*	2.4	2.3	2.1	2.1	2.1	1.9	2.1	2.1	2.0	2.0	2.1	2.1	1.7	2.1	2.3	3.2	2.5	2.2	2.8	3.3	3.0	2.3	3.0	2.8	2.35	24	7.0
23*	2.6	2.2	2.3	2.0	2.0	2.0	2.1	2.1	2.2	1.9	1.8	1.8	1.9	1.6	1.9	1.7	1.9	1.8	1.8	1.9	2.2	2.4	2.2	1.9	1.99	24	4.8
24	1.6	1.4	1.5	1.7	1.7	1.8	2.1	2.3	2.2	2.1	1.9	2.0	2.2			2.0	2.4	1.9	1.7	1.9	2.1	1.9	2.2	1.9	1.92	22	4.1
25	2.0	1.7	1.8	1.7	2.1	1.9	2.3	2.7	2.5	2.4	1.9	1.6	1.5	1.6	1.6	1.5	1.6	1.5	1.1	1.2	1.5	1.2	1.4	1.8	1.74	24	4.0
26	2.8	1.7	1.9	2.1	2.7	2.5	3.0	2.1	1.6		1.7	1.6	1.5	1.5	1.2	1.6	1.6	1.4	1.1	1.6	1.7	1.6	1.3	1.1	1.76	23	11.8
27	1.2	1.4	1.4	1.4	1.5	1.4	1.9	1.8	1.7		1.5	1.8	1.8	1.8	1.9	1.7	1.7	1.6	1.6	1.7	1.7	1.7	1.2	1.5	1.59	23	3.8
28	1.2	1.6	1.7	1.7	1.8	1.8	2.0	2.1	1.9	1.7		1.7	1.5	1.4	1.4	1.8	2.0	1.8	1.6	1.9	1.8	1.9	1.8	1.9	1.73	23	3.4
29*	1.8	2.0	1.7	1.7	1.7	1.9	2.0	1.9	1.9	1.8	1.8	1.9	1.9	1.8	1.9	1.8	1.8	1.9	1.8	1.9	1.9	2.0	2.0	2.1	1.86	24	3.1
30*	2.1	2.0	1.8	2.2	2.2	1.9	1.8	1.8	1.8	2.1	2.0	1.7	1.7	1.6	1.6	1.5	1.6	1.5	1.5	1.8	1.9	2.1	2.1	2.4	1.84	24	4.7
MEAN	3.2	3.0	2.9	2.9	3.1	3.0	3.6	3.6	2.8	2.2	1.9	1.9	1.8	1.7	1.8	1.8	1.9	1.8	1.9	2.0	2.3	2.7	2.9	3.0	2.49		
NO	29	28	30	30	30	30	30	30	30	28	27	29	29	26	29	30	29	29	29	30	30	29	30	29		700	
MAX	6.9	7.2	6.6	6.7	7.9	7.1	8.3	10.5	10.2	4.0	2.7	2.6	2.3	2.2	2.3	3.2	2.8	2.4	3.2	3.3	3.9	4.9	6.2	6.1	4.59		17.3

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-55

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

CINCINNATI, OHIO

TOTAL HYDROCARBON
JULY 1968

DAY OF MONTH	A M												P M												DAILY MEAN	NO OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1	1.9		2.1	2.0	2.0	2.4	1.9	2.0	1.8	1.9	1.8	1.9		1.8	1.6	1.8	2.3	2.8	2.6	2.1	1.9	3.1	3.4	4.2	2.23	22	7.0
2	5.0	3.4	3.8	3.8	3.4	4.8	6.3	6.4	4.0	2.4	2.2	2.0	2.2	2.3	1.8	2.3	2.2	2.1	1.9	1.8	2.6	2.7	2.5	1.8	3.04	24	8.4
3	1.6	1.5	1.6	1.5	1.6	1.8	2.1	2.1	1.9	1.6	1.6	1.5	1.7	1.7	1.6	1.7	1.7	1.6	1.5	1.8	1.8	2.1	3.1	4.2	1.85	24	7.2
4	4.5	4.6	3.7	4.3	5.5	5.7	5.5	5.8	3.0	2.0	1.5	1.7	1.5	1.7	1.8	1.6	1.6	1.9	1.5	1.5	1.7	4.1	4.1	4.4	3.13	24	8.5
5	4.2	4.3	4.5	4.7	4.7	5.5	5.7	6.4	3.1	2.7		1.9	1.7	1.7	1.6	1.9	2.0	1.8	1.7	2.0	2.7	3.2			3.21	21	8.7
6*							4.0	2.5	1.9	1.8	1.8	1.7	1.6	1.6	1.7	1.5	1.8	1.7	1.6	1.7	1.9	3.0	4.9	2.0	2.14	18	9.3
7*	1.9	1.8	1.7	2.7	4.8	5.2	4.6	3.8	2.0	2.0	2.0	1.9	2.0	1.7	1.5	1.6	1.5	1.6	1.7	1.6	1.8	2.0	2.2	2.1	2.30	24	7.1
8	2.1	2.9	3.5	3.1	3.5	3.5	3.1	2.5	2.4	1.9	2.0	2.0	2.0		1.7	1.9	1.7	1.9	1.8	1.8	2.3	2.3	2.0	2.2	2.33	23	8.6
9	2.0	2.4	3.0	2.5	1.8	1.8	3.3	2.8	2.4	2.0	1.7	1.7	1.7	1.8	1.6	1.8	1.7	1.9	1.6	1.8	2.6	3.0	2.4	3.5	2.18	24	7.4
10	3.5	2.9	2.8	3.7	3.2	3.8	3.7	4.5	4.4	2.5	1.7	2.1	2.2	2.2	2.5	2.8	3.9	3.3	3.3	3.0	2.3	2.1	2.3	3.0	2.98	24	7.5
11	3.3	3.1	2.2	2.2	2.2	2.3	3.0	2.8	2.5	2.3	2.1	2.1	2.2	1.9	1.8	1.9	2.0	2.3	3.1	3.9	4.8	6.6	7.3	7.6	3.13	24	9.8
12	7.5	6.7	6.7	5.8	6.4	6.1	7.4	7.7	5.9	3.8	3.1		2.5	2.5	3.2	2.4	2.0	2.0	2.0	1.9	2.2	2.1	3.5	2.5	4.15	23	13.8
13*	2.5	4.4	3.8	4.4	4.1	3.9	3.8	3.5	2.6	2.3	2.0	1.8	1.7	1.8	2.1	1.9	1.9	2.2	1.9	1.7	1.9	2.1	1.9	1.6	2.56	24	7.2
14*	1.6	1.6	1.7	1.8	1.9	1.9	1.9	1.7	1.7	2.1	1.8	1.5	1.8	1.9	1.7	1.7	1.6	1.6	1.8	1.7	1.6	1.7	2.1	2.0	1.76	24	4.7
15																											
16																											
17																											
18																											
19																											
20*						2.1	2.0	1.9	1.8	1.8	1.6	1.6	1.5	1.5	1.5	1.4	1.5	1.5	1.6	1.7	1.9	2.3	2.2	2.0	1.75	19	3.0
21*	2.0	2.0	2.0	1.8	1.8	1.8	1.9	1.8	1.9	1.6	1.6	1.5	1.5	1.5	1.6	1.7	1.7	1.6	1.8	1.8	2.7	2.5	3.4	4.4	1.99	24	5.1
22																											
23																											
24											2.6	2.1	2.0	2.3	2.2	2.5	2.9	2.6	3.1	3.0	2.7	2.3	2.7	3.1	2.57	14	4.2
25																											
26	2.8	3.0	2.1	1.9	1.9	2.1	2.2	2.3	2.3			1.8	1.8	1.8	1.6	1.7	1.8	1.7	1.6	1.8	2.3	2.4	2.4	2.6	2.07	22	3.3
27*	5.6	6.2	5.8	5.7	5.1	5.8	3.6	2.6	2.5	2.4	2.4	1.9	1.8	1.9	1.8	1.7	1.7	1.7	1.8	2.0	2.2	2.5	2.5	2.5	3.05	24	7.3
28*	1.9	1.7	1.7	1.9	2.2	2.1	2.5	1.9	1.8	1.6	1.7	1.6	1.5	1.5	1.5	1.6	1.7	1.6	1.7	1.8	1.9	2.0	1.8	1.8	1.79	24	2.9
29	1.7	1.9	1.8	2.1	3.2	4.0	5.6	4.1	2.2	2.0	1.8	1.8		1.6	1.6	1.8	1.7	1.6	1.5	1.7	2.2	2.4	2.4	4.1	2.38	23	7.2
30	2.2	2.0	1.7	1.7	1.8	1.8	2.2	2.4	2.0	1.9	1.8	1.5	1.6	1.7	1.7	1.8	1.8	1.7	1.7	1.9	2.4	2.4	2.1	2.2	1.89	24	3.7
31	2.1	2.0	2.0	1.7	1.8	2.2	2.5	2.4	1.9	1.9	1.9	1.8	1.8	1.9	1.9	2.0	2.0	2.1	1.8	2.0	2.2	2.2	2.4	2.4	2.03	24	4.6
MEAN	3.0	3.1	2.9	3.0	3.1	3.4	3.6	3.3	2.5	2.1	1.9	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.3	2.7	2.9	3.0	2.46		
NO	20	19	20	20	20	21	22	22	22	21	21	22	21	22	23	23	23	23	23	23	23	23	22	22		521	
MAX	7.5	6.7	6.7	5.8	6.4	6.1	7.4	7.7	5.9	3.8	3.1	2.1	2.5	2.5	3.2	2.8	3.9	3.3	3.3	3.9	4.8	6.6	7.3	7.6	4.15		13.8

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

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Table 3-56

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	1.7	1.9	1.8	2.0	2.0	2.5	2.9	2.9	2.2	1.9	2.0	1.7	1.8	1.7	2.0	1.7	1.7	1.8	1.8	2.3	3.0	2.9	2.7	2.8	2.13	24	3.9
2	2.6	2.5	2.6	2.8	2.9	2.8	3.2	3.7	3.1	2.8	2.4	1.6	1.9	1.9		2.0	1.9	2.2	2.0	2.3	2.6	3.2	3.5	4.0	2.62	23	6.2
3*	4.7	4.2	5.0	4.1	3.5	4.0	3.7	3.4	3.1	2.9	2.3	2.5	2.3	2.2	2.1	2.0	2.0	1.9	2.0	2.1	2.2	2.5	2.2	2.5	2.89	24	5.9
4*	3.1	2.7	2.7	1.9	2.2	2.2	2.4	2.3	1.9	1.8	1.6	1.7	1.8	1.8	1.7	2.0	1.8	1.9	1.9	2.3	2.2	2.2	2.3	2.0	2.09	24	4.1
5	1.8	2.0	2.1	2.4	2.6	3.5	4.7	4.0	3.4	3.1	2.6	1.9	1.7		1.9	2.0	1.9	1.9	2.1	2.4	3.0	2.6	2.0	1.9	2.49	23	5.2
6	1.8	2.0	2.2	2.1	2.3	2.5	2.6	2.4	2.1	2.0	1.8	1.7	1.7	1.7	1.8	1.9	1.8	1.8	2.1	2.3	2.6	2.6	2.4	2.3	2.09	24	4.0
7																											
8		2.4	3.2	3.8	3.8	3.6	4.3	4.1	3.0	2.3	2.2	1.9	2.0	1.7	1.8	1.9	1.9	1.8	1.9	2.0	2.0	1.8	2.0	2.0	2.48	23	5.1
9	2.3	2.0	2.2	2.0	2.1	2.5	3.7	3.5	3.1	2.3	2.1			2.2	2.2	2.0	2.1	2.1	2.2	2.2	2.4	2.5	2.6	2.2	2.37	22	5.6
10*	2.0	2.0	2.3	2.0	1.9	2.4	2.4	2.9	2.5						2.2	2.4		1.9	1.9	1.9				1.8	2.14	15	4.3
11*	1.8	2.0	1.9	1.8	1.8	2.0	2.1	1.8	1.6	1.5	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.7	1.6	1.6	1.8	1.9	1.8	1.7	1.68	24	2.4
12	1.7	1.5	1.6	1.6	1.6	1.8	2.2	2.0	1.9	1.8	1.5	1.5	1.5			1.7	1.7	1.6	1.7	1.7	2.0	3.5	4.2	4.1	2.00	22	6.0
13	3.8	3.5	2.1	3.8	2.6	2.3	2.6	2.9	2.9	3.1	3.0	2.7	2.4	2.3	2.4	2.7	2.1	1.8	1.9	2.2	2.0	1.9	2.0	2.0	2.53	24	4.9
14	2.1	1.9	2.0	2.1	2.4	2.1	2.4	2.6	2.7	2.6	2.4	2.4	2.4	2.3	3.4	3.3	2.4	1.8	1.8	1.9	2.3	2.3	2.8	2.7	2.37	24	4.3
15	2.8	2.9	3.7	3.7	2.8	2.3	2.7	2.7	2.4	2.3	2.1	1.9	2.3	1.8	2.2	2.0	2.1	1.9	1.8	1.8	2.1	2.2	2.4	2.1	2.36	24	5.0
16	1.9	1.9	1.9	1.8	1.7	1.9	2.1	2.0	2.1			1.8	2.0	1.7	2.0	1.9	1.8	1.8	2.0	2.0	2.0	2.2	2.2	2.0	1.93	22	4.0
17*	1.8	1.8	1.5	1.6	1.6	1.5	1.4	1.9	1.6	1.7	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.8	1.9	2.1	2.4	3.9	3.7	4.0	1.97	24	6.5
18*	2.6	2.7	2.1	1.7	1.7	1.7	2.1	2.1	2.2	2.4	2.0	1.6	1.5	1.6	1.6	1.4	1.5	1.6	1.6	2.1	2.8	3.6	4.0	3.8	2.16	24	4.9
19	3.1	2.6	2.4	2.5	2.3	2.7	2.9	3.3	3.1	2.2	2.0	1.8		1.7	1.8	1.8	1.9	1.8	1.9	2.0	2.3	2.3	2.3	2.6	2.32	23	4.6
20	2.4	2.2	2.3	2.2	2.5	2.3	2.3	2.3	2.1	2.0	1.9	1.6	1.7	1.8	1.8	1.7	1.7	1.6	1.8	2.1	2.6	2.4	2.8		2.07	23	3.6
21											2.2	1.9	1.8	1.8	1.8	1.7	1.6	1.8	1.9	2.6	2.7	2.9	3.2	3.3	2.21	14	4.2
22	4.4	4.6	3.7	3.9	3.8	3.6	4.2	3.7	3.6	2.6	2.0	1.9	1.8	2.2	3.8	3.5	2.5	2.1	2.6	2.7	2.8	2.7	3.7	4.9	3.20	24	7.2
23	3.8	2.8	2.5	2.6	2.4	3.2	4.4	4.4				4.0	3.7	3.5	3.5	3.6	3.4	3.3	3.4	3.6	4.3	4.4	5.6	5.2	3.67	21	8.7
24*	4.3	4.4	3.8	3.7	3.4	3.7		3.4	3.3	3.0	2.8	2.7	2.7	2.5	2.4	2.6	2.8	2.7	2.7	2.8	2.9	2.7	2.6	2.6	3.05	23	5.0
25*																											
26		2.3	2.3	2.6	2.4	2.8	3.1	2.7	2.4	2.1	2.0	2.1	2.1		2.3	2.2	2.2	2.1	2.1	2.3	2.5	2.5	2.5	2.5	2.35	22	3.6
27	2.5	2.6	2.7	2.9	2.9	3.0	3.3	3.2	2.7	2.2	2.1	2.0	2.0	2.0	1.9	2.1	2.1	1.9	2.0	2.4	2.6	2.8	2.7	2.5	2.45	24	5.2
28	2.1	2.1	2.3	3.2	3.8	4.1	4.6	4.8	3.0	2.5	2.3	2.2	2.0	2.1	2.0	2.0	1.9	1.9	2.0	2.4	2.7	3.0	2.8	2.4	2.66	24	5.9
29	2.1	2.1	2.2	2.2	2.5	2.9	3.8	3.8	2.7	2.6	2.4	2.2	2.0	2.0	2.0	2.1	2.1	2.0	2.2	2.9	4.1	4.8	5.0	5.3	2.82	24	6.3
30	3.5	4.4	4.8	3.7	4.0	4.7	5.4	6.0	4.0	2.7	2.4			2.1	2.1	2.1	2.1	2.1	2.0	2.3	2.3	2.5	2.5	2.8	3.18	22	6.9
31*	3.6	4.3	6.2	5.6	6.0	6.2	5.4	2.9	3.0	2.8	2.9	2.5	2.0	2.0	2.0	2.0	2.1	2.0	2.2	2.3	2.5	2.6	2.5	2.4	3.24	24	7.3
MEAN	2.7	2.6	2.7	2.7	2.7	2.9	3.2	3.1	2.6	2.3	2.1	2.0	2.0	2.0	2.1	2.1	2.0	1.9	2.0	2.3	2.5	2.8	2.9	2.9	2.47		
NO	26	28	28	28	28	28	27	28	27	25	26	26	25	25	27	29	28	29	29	29	28	28	28	28		658	
MAX	4.7	4.6	6.2	5.6	6.0	6.2	5.4	6.0	4.0	3.1	3.0	4.0	3.7	3.5	3.8	3.6	3.4	3.3	3.4	3.6	4.3	4.8	5.6	5.3	3.67		8.7

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-57

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	2.4		2.1	2.2	1.9	1.9	1.9	2.2	2.0	2.2	2.1	2.0	1.9	2.0	2.0	1.9	1.9	2.1	2.3	2.1	2.6	2.7	3.0	3.0	2.20	23	3.8
2	3.0	2.6	2.1	2.0	2.2	2.3	2.2	2.1	2.1	2.0	2.0	1.9			1.8	1.7	1.8	1.8	1.9	2.5	2.6	2.5	2.6	2.8	2.19	22	3.9
3	2.9	2.5	2.5	2.5	2.4	2.5	3.4	4.2	3.7	2.5	2.1	2.1	2.0	2.1	2.0	2.0	2.2	2.0	2.0	2.4	2.8	2.9	2.5	2.6	2.52	24	5.2
4	2.7	2.4	2.3	2.3	2.5	2.2	2.5	2.9	2.7	2.5	2.4	2.2	2.3	2.2	2.1	2.0	1.9	1.9	2.0	2.0	1.9	1.9	1.9	2.1	2.22	24	3.3
5	2.1	2.1	1.9	1.9	1.9	2.0	2.1	2.3	2.3	2.4	2.4	2.2	2.4	2.3	2.3	2.2	2.1	2.3	2.0	2.2	2.1	2.0	2.1	2.2	2.14	24	3.3
6	2.2	2.2	2.2		2.6	4.7	2.8	2.8	2.5		2.1	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.3	2.7	3.0	2.9	2.8	3.0	2.40	22	3.8
7*	2.7	2.9	3.0	3.8	3.8	3.9	5.2	3.9	3.8	2.9	2.8	2.5	2.3	2.1	2.1	2.4	2.3	2.3	2.9	3.6	5.2	5.2	5.8	5.7	3.44	24	6.7
8*	5.8	5.9	5.4	4.8	3.7	2.9	3.2	2.9	2.8	2.5	1.9	1.7	1.7	1.7	2.0	2.1	2.1	2.1	2.4	2.6	2.7		2.6	2.5	2.94	23	7.8
9	2.2	2.7	2.0	1.9	2.2	2.5	2.5	2.7											1.6	2.0	2.0	1.8	2.2	2.3	2.17	14	3.9
10																											
11		2.2	2.3	2.3	2.4	4.4	2.5	2.7	2.5	2.3	2.2	2.3	2.4	2.3	2.4	2.4	2.4	2.1	2.5	2.5	2.4	2.2	2.8	2.8	2.39	23	3.9
12	2.3	2.2	2.1	2.2	2.5	3.3	4.0	3.4	2.9	2.5	2.4	2.0	1.9	1.9	2.0	1.9	1.9	2.0	2.0	3.6	4.2	4.2	4.4	5.0	2.77	24	5.4
13	5.0	5.0	5.3	5.1	5.2		7.9	6.5	4.9			2.7	2.2	2.0	2.1	2.3	2.0	1.9	4.9	4.7	5.5	6.3			4.28	19	8.0
14*																											
15*																											
16										2.4	2.2	2.0		2.0	2.2	2.1	2.3	2.1	2.2	2.2	2.3	2.2	2.2	2.1	2.17	14	2.7
17	2.2	1.9	2.1	1.9	1.7	2.1	2.3	2.2	2.1	2.1	2.2	2.3	2.0	2.0	2.0	2.0	2.1	2.0	1.8	1.9	2.0	2.0	2.3	2.3	2.05	24	3.3
18	2.1	2.3	2.0	1.7	1.7	1.8	1.9	1.9	1.9	1.9	2.1	2.1	2.1	2.5	2.1	2.2	2.1	2.0	2.1	2.1	2.2	2.2	2.1	2.1	2.03	24	3.5
19	2.1	1.7	1.8	2.0	2.4	2.1	2.4	2.4	2.3	2.1	2.1	2.1	2.0	2.0	2.2	2.2	2.2	1.9	1.9	2.0	1.8	1.9	1.8	2.0	2.05	24	3.4
20	2.0	2.4	2.2	2.0	1.9	2.3	2.7	2.8			2.3	2.2	2.2	2.0	2.1	2.4	2.3	2.5	2.6	3.4	5.0	5.7	5.3	5.9	2.91	22	8.0
21*	4.7	3.4	3.4	3.2	4.8	4.1	5.6	5.4	5.3	3.4	2.6	2.2	2.1	2.0	2.0	2.3	2.3	2.2	3.0	4.7	4.5	5.8	6.5	6.6	3.82	24	7.6
22*	5.8	5.6	4.5	4.6	4.4	4.3	5.0	5.3	4.6	3.1	2.9	2.5	2.1	2.0	1.9	1.9	2.3	2.1	3.1	3.6	4.0	4.2	3.1	4.2	3.61	24	6.9
23	4.4	5.1	4.8	4.3	4.4	5.7	6.5	7.0	6.0	4.1	2.8		2.1	2.1	2.4	2.3	2.4	2.7	3.1	4.0	4.5	5.2	5.0	4.1	4.11	23	7.6
24	4.4	5.1	4.8	4.8	4.2	3.9	3.1	4.0	3.6	3.1	2.6	2.2	2.1	2.1	2.1	2.3	2.1	2.3	2.6	2.3	2.3	2.0	2.2	2.0	3.01	24	7.3
25	1.9	2.1	2.3	2.4	2.6	2.8	2.8	2.4	2.2	2.1	2.3	2.2	2.1	2.2	2.1	2.0	2.2	2.5							2.28	18	6.5
26										3.4	2.2	1.9	1.9	1.9	2.0	2.1	2.2	2.4	2.3	3.2	3.4	3.1	2.9	2.9	2.50	15	6.2
27	3.3	5.0	4.5	4.6	4.8	3.8	3.4	4.0	3.7	3.0	2.2		1.8	1.9	1.9	1.9	2.1	2.0	2.8	3.8	4.3	5.1	5.8	6.0	3.54	23	7.7
28*																											
29*																											
30																											
MEAN	3.2	3.2	3.0	3.0	3.0	2.9	3.4	3.5	3.2	2.6	2.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.4	2.9	3.2	3.4	3.2	3.4	2.75		
NO	21	21	22	21	22	21	22	22	20	20	22	21	21	22	23	23	23	23	23	23	23	22	22	22		525	
MAX	5.8	5.9	5.4	5.1	5.2	5.7	7.9	7.0	6.0	4.1	2.9	2.7	2.4	2.5	2.4	2.4	2.4	2.7	4.9	4.7	5.5	6.3	6.3	6.6	4.28		8.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

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CONTINUOUS AIR MONITORING PROGRAM

Table 3-58

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

CINCINNATI, OHIO

TOTAL HYDROCARBON
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1												2.3	2.2	2.1	2.1	2.0	2.0	2.1	2.2	3.9	3.7	2.6	3.4	3.0	2.58	13	7.1
2																											
3																											
4																											
5*		5.2	5.2	4.8	5.5	5.5	5.2	5.5	5.2	3.7		1.8	1.6	1.6	2.1	1.8	1.9	1.8	2.2	2.8	2.2	2.9	2.3	2.2	3.31	22	7.1
6*	2.1	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.0	1.9	1.9	2.0	1.9	1.9	2.1	2.5	2.6	2.9	2.3	2.3	2.4	2.1	2.11	24	4.8
7	2.2	2.1	2.3	2.1	2.3	2.5	2.7	2.6	2.6	2.6	2.7	2.4			2.5	2.4	2.4	2.1	2.0	2.1	2.1	2.3	2.2	2.4	2.33	22	4.1
8	2.5	2.4	2.3	2.4	4.2	3.3	2.8	2.9	2.5	2.5	2.2	2.1	2.0	2.1	1.9	2.1	2.0	2.1	2.5	2.8	2.6	2.4	2.5	3.1	2.50	24	6.1
9	6.8	6.3	6.8	7.0	6.7	5.3	5.2	4.8	3.8	3.6	2.7	2.5	2.8	2.5	2.3	2.4	2.2	2.2	2.5	2.2	2.6	3.2	2.7	2.6	3.80	24	9.8
10	2.0	1.9	1.8	1.7	1.7	1.8	2.2	2.3	2.8	2.1	1.9	1.8	1.8	1.8	1.9	2.0	1.9	1.8	2.8	3.9	4.4	4.5	4.8	5.4	2.53	24	7.3
11	5.6	5.7	5.5	6.1	6.9	7.6	8.1	6.5	3.5	3.7		2.3	2.4	2.0	2.1	2.3	2.3	2.1	2.5	2.7	3.0	2.9	3.0	3.0	3.98	23	12.0
12*	2.7	3.2	2.9	3.0	4.3	5.9	4.8	3.3	3.5	3.3	2.3	2.1	2.6	2.2	2.2	2.2	2.8	2.6	3.8	4.9	4.8	6.0	6.4	6.4	3.66	24	8.7
13*	6.7	6.7	6.8	6.4	5.0	6.0	5.3	3.9	3.3	3.0	2.5	2.4	3.0	2.4	2.2	2.3	2.2	2.5	5.7	6.3	5.7	7.7	6.3	5.8	4.57	24	17.5
14	5.2	4.3	5.6	5.9	6.2	6.0	5.5	5.9	5.3	2.9	2.5	2.1			2.1	2.2	2.4	2.6	3.8	3.8	3.2	3.0	4.0	8.1	4.16	22	13.5
15	6.0	5.4	5.3	4.4	4.3	4.8	5.0	4.0	3.2	3.4	3.2	2.5	2.2	2.1	2.2	2.4	2.4	2.6	2.8	3.5	4.0	4.0	4.8	5.9	3.75	24	7.9
16	4.8	2.8	2.6	2.9	2.9	2.9	3.3	3.7	3.3	3.1	2.6	2.2	2.2	2.2	2.2	2.4	2.7	2.8	3.9	4.7	6.3	4.1	2.9	2.3	3.15	24	10.6
17	2.1	2.1	2.1	2.3	2.1	2.2	2.6	3.1	2.7	2.3	2.1	2.3	2.2	2.3	2.3	2.2	2.1	2.2	1.9	2.1	2.1	2.3	2.5	2.2	2.26	24	3.8
18	2.0	1.8	2.2	1.8	1.8	2.0	2.2	2.3	2.3			2.1	2.2	2.2	2.5	2.8	2.3	2.8	2.8	3.4	3.1	3.9	4.3	3.8	2.56	22	7.1
19*	3.9	3.6	4.1	4.2	3.6	3.6	3.5	3.5	3.5	3.8	2.8	2.2	2.3	2.3	2.3	2.4	2.4	2.9	3.6	5.9	6.2	7.1	4.8	5.1	3.71	24	12.2
20*	5.2	3.7	3.7	2.9	2.8	3.3	3.1	3.4	3.7	2.9	2.3	2.3	2.1	2.1	2.1	2.1	2.1	2.4	3.0	4.0	5.5	4.3	4.2	4.3	3.21	24	8.4
21	3.2	3.4	4.1	5.6	4.8	3.2	7.2	7.4	8.2	5.0	3.2	2.5		2.2	2.1	2.5	2.6	2.8	4.2	6.0	5.1	6.4	5.0	2.9	4.40	23	12.0
22	3.4	3.1	3.1	2.8	2.6	3.0	3.1	3.1	3.0	2.9	2.3	2.2	2.2	2.1	2.1	2.3	2.3	2.3	2.3	2.4	1.9	1.8	2.0	2.0	2.50	24	5.8
23	2.4	2.3	2.2	2.0	1.9	2.2									1.9	2.2	2.2	2.2	2.2	2.9	4.4	6.0	6.0	5.8	3.04	16	7.7
24	5.6	6.1	5.4	6.2	5.3	5.9	5.1	5.1	3.9	4.0	2.6	2.5	2.5	2.2	2.5	2.6	2.5	2.4	2.7	2.2	2.4	2.9	2.8	2.4	3.64	24	8.8
25	2.1	2.0	2.3	2.1	2.2	2.3	2.3	2.4	2.3			2.3	2.3	2.2	2.4	2.5	2.5	2.1	2.2	2.1	2.3	2.6	2.7	2.5	2.29	22	3.6
26*	2.2	2.1	2.3	2.5	2.5	2.8	2.6	2.5	2.4	2.3	2.1	2.2	2.1	2.1	2.0	2.2	2.1	2.4	3.7	3.9	3.4	3.4	3.3	2.5	2.56	24	6.7
27*	2.4	2.3	2.3	2.1	2.2	2.2	2.3	2.2	2.2	2.1	2.2	2.1	2.0	2.0	2.0	1.9	1.8	1.9	2.0	2.4	2.3	2.5	3.1	2.2	2.19	24	5.5
28	2.1	2.5	2.0	2.3	2.0	2.0	2.4	2.2	2.0	2.0	1.9	1.9			1.9	2.1	2.4	2.4	2.1	2.1	2.1	2.0	2.0	1.9	2.09	22	5.1
29	1.9	1.9	2.0	1.8	1.8	1.9	2.1	2.8	2.3	2.0	2.0	2.1	2.0	2.0	2.1	2.2	2.5	2.6	3.0	4.1	4.0	5.1	4.9	4.2	2.62	24	8.2
30	5.3	5.8	6.5	5.6	5.3	5.5	5.7	6.5	6.1	5.5	3.8	2.2	2.1	2.1	2.2	2.2	2.2	2.6	3.2	3.5	5.1	5.0	6.1	6.3	4.42	24	9.1
31	6.2	6.2	6.2	5.9	5.2	6.0	6.6	4.3	3.8	3.2	2.5	2.6	2.4	2.6	2.8	2.8	3.4	6.0	12.1	12.5	13.4	7.9	5.1	3.8	5.56	24	15.4
MEAN	3.7	3.6	3.7	3.6	3.6	3.8	4.0	3.8	3.4	3.1	2.5	2.2	2.2	2.1	2.2	2.3	2.3	2.5	3.2	3.8	3.9	4.0	3.8	3.7	3.21		
NO	26	27	27	27	27	27	26	26	26	24	22	27	23	24	28	28	28	28	28	28	28	28	28	28		639	
MAX	6.8	6.7	6.8	7.0	6.9	7.6	8.1	7.2	8.2	5.5	3.8	2.6	3.0	2.6	2.8	2.8	3.4	6.0	12.1	12.5	13.4	7.9	6.4	8.1	5.56		17.5

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-59

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
NOV. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	5.0	3.2	2.7	2.4	2.4	3.0	3.3		3.5	3.4	2.5	2.3	2.4	2.4	2.4		2.7	2.9	3.2	3.8	3.4	2.6	2.7	3.5	2.98	22	7.6
2*	3.7	3.4	2.7	2.4	2.4	2.6	2.5	2.8	2.8	2.6	2.9	2.7	2.7	2.9	2.3	2.5	2.7	3.5	4.3	3.9	4.6	4.9	4.6	4.5	3.19	24	8.5
3*	4.7	3.0	3.0	2.5	2.7	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.0	1.8	1.9	1.9	2.0	2.1	2.1						2.34	10	8.5
4									3.5	3.6	3.0	2.8	2.8			2.9	3.5	4.4	3.7	3.4	3.6	4.3	3.1	3.7	3.45	14	6.4
5	4.6	5.1	5.2	6.3	6.0	5.3	5.3	4.8	4.4	5.6	5.0	3.8	3.4	3.1	3.6	4.0	3.7	4.6	4.5	4.3	4.0	3.9	4.4	4.2	4.56	24	8.2
6	4.5	3.5	3.1	3.0	3.4	2.9	3.1	3.8	4.3	4.9	3.9	3.3	3.3	3.3	3.1	2.9	4.0	3.7	3.7	3.6					3.54	20	9.3
7		3.1	2.9	2.9	2.9	2.7	2.6	3.6	3.7	3.3	3.0	2.6	2.3	2.2	2.1	2.3	2.3	2.3	2.0	2.0	2.1	1.8	1.8	1.8	2.53	23	5.1
8	1.9	2.0	1.9	1.9	1.8	2.0	2.3	2.8	2.4	2.4	2.2	2.1	2.1	2.4	2.1	2.1	2.4	2.3	2.4	2.5	3.0	2.9	2.6	2.2	2.27	24	4.3
9*	2.1	2.7	2.8	2.4	2.9	2.2	2.3	2.2					2.0			2.5	2.3	2.5	2.3	2.9	3.2	3.0	2.7	2.5	2.49	18	5.3
10*																											
11																											
12	2.0	1.9	1.9	1.8	1.8	1.8	1.8	2.0	2.0	1.9	2.0	2.0	2.0	1.9	2.0	2.1	2.3	2.3	2.2	2.2	2.2	2.3	2.5	2.0	2.02	24	3.1
13	2.0	2.0	2.2	2.0	2.2	2.3	3.1	2.8	2.9	2.4	2.3	2.1	2.1	1.9	2.0	2.2	2.4	2.9	3.3	3.6	3.7	3.7	2.5	2.6	2.55	24	10.3
14	2.6	2.4	2.6	2.4	2.4	2.1	2.2	2.8	2.8	3.0	2.4	2.5	2.4	2.5	2.6	2.6	2.7	2.8	2.8	3.0	3.5	3.2	2.7	2.8	2.64	24	4.9
15	2.3	2.2	2.0	2.1	2.0	2.1	2.1	2.2	2.3			2.3	2.6	3.0	2.7	2.9	3.9	3.4	3.3	3.4	4.6	3.3	4.3	4.7	2.88	22	10.6
16*	2.5	2.3	2.2	2.1	2.1	2.3	3.9	2.9	2.7	2.5	2.3	2.4	2.7	2.2	2.1	2.3	2.2	2.2	2.1	2.2	2.4	2.3	2.4	2.3	2.39	24	9.0
17*	2.5	2.2	2.4	2.4	2.3	2.6	2.6	2.2	2.3	2.3	2.3	2.4	2.4	2.5	2.3	1.9	2.3	2.4	3.5	7.8	2.5	3.6	2.4	2.3	2.46	24	8.8
18	2.1	1.9	1.9	1.9	1.8	1.8	2.1	2.2	2.3	2.1	2.1	2.1	2.0		2.0	2.1	2.2	2.3	2.2	2.3	2.0	2.2	2.0	1.9	2.07	23	3.2
19	1.9	1.9	2.1	2.1	2.0	2.1	2.0	2.2	2.3	2.1	2.1	2.0	2.0	1.9	1.9	2.1	2.2	2.2	2.0	2.1	2.0	2.1	2.0	2.3	2.06	24	3.2
20	2.1	2.3	2.2	2.2	2.2	2.2	2.6	2.5	2.3	2.1	2.2	2.4	2.4	2.3	2.6	2.6	3.1	2.4	2.5	2.4	2.4	2.5	2.6	2.8	2.40	24	4.7
21	2.7	2.4	2.5	2.3	2.3	2.3	2.6	3.1	2.7	2.5	2.3	2.2	2.2	2.2	2.2	2.2	2.3	2.4	2.5	2.3	2.5	2.5	2.3	2.3	2.39	24	4.0
22	2.4	2.8	3.1	3.1	3.1	3.2	3.5	3.6	3.4	2.8	2.5	2.5	2.5	2.4	2.4		3.0	4.5	5.8	9.1	8.9	7.5	6.6	5.8	4.09	23	14.1
23*	3.3	3.3	3.6	3.1	2.7	2.9	2.8	2.6	2.7	2.9	2.8	2.9	2.7	2.5	2.4	2.3	2.4	2.5	2.5	2.9	2.8	2.5	2.4	2.5	2.91	24	8.9
24*	2.2	2.1	2.0	2.0	2.1	2.3	2.3	2.4	2.1	2.2	2.1	2.1	2.1	1.8	1.9	1.8	2.0	2.3	2.8	3.4	3.5	3.3	3.5	2.9	2.37	24	6.8
25	2.7	2.4	2.6	2.5	2.3	2.3	3.4	3.8	3.8	2.8	2.6	2.5	2.2			2.3	3.0	2.8	5.3	6.0	5.8	4.5	3.5	2.9	3.26	22	9.9
26	3.6	2.8	2.5	2.5	2.6	2.4	2.5	3.5	3.7	2.7	2.3	2.3	2.2	2.1	2.1	2.2	2.1	2.6	2.2	2.0	2.0	2.0	2.0	2.0	2.44	24	5.5
27	2.0	2.0	2.3	2.6	2.6	2.2	2.8	2.9	3.1	3.0	2.9	2.7	2.8	2.5	2.5	2.5	3.1	2.8	2.7	2.6	2.9	3.0	2.5	2.4	2.63	24	4.0
28	2.7	2.2	2.3	2.1	1.9	1.9	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	2.0	2.0	1.89	24	3.2
29	1.9	1.8	1.8	1.8	1.8	1.8	2.2	2.1	2.2	2.2		2.1	2.1	2.1	2.2	2.1	2.5	2.4	2.2	2.0	2.2	2.3	2.4	2.2	2.09	23	4.0
30*	2.3	2.2	2.5	2.2	2.2	2.4	2.9	3.4	3.6	3.3	2.2	2.3	2.4	2.1	1.9	2.0	2.1	2.1	2.3	2.6	3.3	2.9	3.2	2.8	2.54	24	5.6
MEAN	2.9	2.6	2.5	2.5	2.5	2.4	2.7	2.8	4.9	2.8	2.6	2.4	2.4	2.3	2.3	2.3	2.6	2.8	2.9	3.1	3.3	3.1	2.9	2.8	2.68		
NO	26	27	27	27	27	27	27	26	27	26	25	27	28	24	25	26	28	28	28	27	26	26	26	26		637	
MAX	5.3	5.3	5.2	6.3	6.0	5.3	5.3	4.8	4.4	5.6	5.6	3.8	3.4	3.3	3.6	4.0	4.0	4.6	5.8	9.1	8.9	7.5	6.6	5.8	4.56		14.1

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-60

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
DEC. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*																											
2											2.2	2.2	2.3		2.6	2.6	3.1	2.9	3.0	3.4	4.1	4.3	3.2	3.6	3.01	13	6.4
3	3.3	2.8	2.9	2.5	2.4	4.4	3.2	3.1	3.8	4.2	4.0	2.8	2.6	2.7	3.1	2.9	3.2	3.3	2.7	2.6	2.6	2.4	2.5	2.3	2.92	24	6.2
4	2.1	1.9	2.0	1.8	1.8	1.7	1.9	2.4	2.2	2.1	2.1	2.2	2.1	2.1	2.1	2.3	2.6	2.6	2.6	2.4	2.2	2.4	2.2	2.3	2.16	24	4.7
5	2.0	2.0	1.9	1.9	1.8	1.6	1.7	1.9	1.8	1.7	1.7	1.8	1.9	1.7	1.7	1.8	1.9	2.1	2.1	2.0	2.0	2.0	2.1	2.0	1.86	24	3.7
6	2.1	2.0	2.0	2.2	2.2	2.0	2.1	2.4	2.5	2.1		2.1	2.1	2.2	2.2	2.2	2.3	2.8	3.2	3.5	3.7	4.2	3.5	3.2	2.55	23	5.8
7*	3.3	3.5	2.9	2.7	2.8	2.4	2.3	2.3	2.6	2.6	2.5	2.3	2.3	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.4	2.5	2.4	2.2	2.48	24	6.2
8*	2.0	2.1	2.0	1.9	1.9	1.9	2.0	2.1	2.1	2.1	2.1	2.0	2.3	2.3	2.0	2.1	2.2	2.6	2.2	2.1	2.3	2.9	2.8	3.0	2.19	24	4.2
9	3.0	2.8							3.1	3.1	3.2	2.6	2.8			2.1	2.7	2.3	2.1	2.0	2.3	2.4	2.1	2.0	2.54	16	5.4
10	2.0	1.9	1.9	1.8	1.9	1.9	2.1	2.0	2.1	2.0	2.1	2.0	2.0	1.9	1.9	2.1	2.2	2.3	2.1	2.1	2.1	2.3	2.1	2.3	2.03	24	3.1
11	2.4	2.3	2.2	2.1	2.1	2.1	2.6	2.8	3.0	2.9	2.7	2.8	2.5	2.7	2.7	2.6	3.0	3.6	2.6	2.6	2.5	2.5	2.3	2.1	2.57	24	4.5
12	2.1	2.0	2.0	2.1	2.0	2.1	2.0	2.4	2.3	2.2	2.1	2.3	2.2										2.2	2.1	2.12	15	3.0
13	2.0	2.0	1.8	1.8						1.9		2.0	2.0	2.0	1.9	1.9	2.1	2.0	2.1	2.1	1.9	1.9	2.1	1.9	1.95	18	2.9
14*	1.9	1.9	1.9	1.9	1.9	1.9	1.8								2.0	2.2	2.1	2.1	2.1	2.2	2.4	2.1	2.5	2.1	2.05	17	4.4
15*																											
16																											
17	2.9	3.1	4.7	3.9	3.6	3.9	6.2	4.9	5.2	2.6	2.4	2.3	2.0		2.0	2.2	2.5	2.4	2.6	3.2	3.3	3.2	3.3	3.5	2.66	14	4.7
18	2.3	1.9	1.9	2.0	2.0	2.1	2.2	2.7	2.9	4.1	4.5	2.5	2.2	2.1	2.1	2.4	2.6	2.9	2.8	2.5	2.4	2.4	2.1	2.3	3.42	24	9.4
19	2.9	2.8	2.6	2.4	2.2	2.3	2.3	2.4	2.5	2.7	2.3	3.1	2.6	2.6	3.0	2.8	3.3	3.4	3.0	3.4	4.2	3.5	2.8	2.8	2.73	22	6.7
20	2.0	1.9	1.9	1.9	1.9	2.0	2.1	2.0	2.2	2.0	2.0	2.1	2.3	2.1	2.1	2.1	2.3	2.4	2.3	2.3	2.2	2.1	2.0	1.9	2.32	24	3.8
21*	2.0	2.4	2.0	2.1	1.9	1.8	2.1	1.9	2.0	2.0	2.0	2.1	2.2	2.1		2.0	2.3	2.3	2.1	2.1	2.4	2.1	2.2	2.0	2.08	23	3.9
22*	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.2	2.1	2.2	2.2	2.0	2.2	2.4	2.3	2.1	2.0	2.1	2.6	2.5	2.1	2.3	2.0	2.10	24	4.7
23	1.8	1.7	1.7	1.8	1.8	1.8	2.0	2.1	1.9	1.9	2.0	2.2	2.4	2.4	2.6	2.3	2.5	2.1	1.9	2.1	1.8	1.9	1.9	1.9	2.11	24	3.3
24	2.1	2.0	2.0	2.0	2.0	2.0	2.2	2.1	2.2	2.2	2.2	2.3	2.1		2.2	2.1	2.6	2.3	2.1	2.0	1.9	1.9	2.0	2.1	1.98	23	5.2
25	2.2	2.3	2.2	2.2	2.3	2.3	2.2	2.4	2.4	2.6	2.3	2.6	2.3	2.1	2.4	2.4	2.4	2.5	2.4	2.5	2.3	2.5	2.3	2.4	2.23	24	3.5
26	1.8	1.8	1.8	1.7	1.7	1.7	1.9	2.2	2.3	2.2	2.3	2.3	2.4	1.9	2.0	2.1	2.1	2.4	2.3	2.3	1.9	1.8	1.8	1.8	2.20	24	3.8
27	2.7	3.1	2.7	2.3	2.3	2.5	2.5	2.7	2.9	2.8		2.8	2.3	2.4	2.4	2.4	2.9	3.0	2.6	2.5	2.5	2.7	2.4	2.6	2.26	24	4.2
28*	2.0	1.9	1.8	1.9	1.7	1.8	1.9	1.7	1.8	1.7	2.0	1.9	2.8	3.0	2.8	3.0	2.6	3.0	2.4	2.1	2.0	2.0	2.0	2.0	2.55	23	4.8
29*	1.8	2.0	1.9	1.9	1.9	1.8	1.8	1.9	2.0	2.2	2.2	2.2	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.85	24	2.8
30	2.1	2.2	2.1	2.0	2.1	2.2	2.4	2.7	2.8	2.5	2.4	2.4	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.4	2.4	2.6	2.5	2.3	2.11	24	3.6
31	2.2	1.9	2.0	2.2	2.1	2.4	2.4	2.1	2.1	2.0	1.9	2.0	2.4			2.3	2.8	2.8	2.3	2.4	2.8	2.6	2.6	2.8	2.43	22	4.5
													2.0	2.1	1.9	2.0	2.1	2.1	1.9	2.0	2.0	2.0	1.8	1.8	2.04	24	3.2
MEAN	2.2	2.3	2.2	2.1	2.1	2.2	2.3	2.4	2.5	2.4	2.4	2.3	2.2	2.2	2.2	2.3	2.4	2.5	2.4	2.4	2.5	2.5	2.3	2.3	2.32		
NO	27	27	26	26	25	25	25	24	25	26	24	28	28	22	25	28	28	28	28	28	28	28	29	29		637	
MAX	3.3	5.1	4.7	3.9	3.6	5.9	6.2	4.9	5.2	4.2	4.5	3.1	2.8	3.0	3.1	3.0	3.3	3.6	3.2	3.5	4.2	4.3	3.5	3.6	3.42		9.4

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-61

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
JAN. 1968

DAY OF MONTH	A M												P M												DAILY MEAN	NO OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1												.01	.02	.02	.01	.02	.02	.02	.01	.01	.02	.02	.02	.02	.016	13	.03
2																											
3	.02	.02		.01	.01	.01	.01	.02	.02	.02	.02						.01	.01	.02	.01	.01	.01	.01	.01	.013	18	.03
4																											
5																											
6*																											
7*																											
8																											
9																											
10																											
11																											
12																											
13*																											
14*																											
15																											
16																											
17																											
18																											
19																											
20*																											
21*																											
22																											
23																											
24																											
25																											
26																											
27*																											
28*																											
29																											
30																											
31																											
MEAN	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2			
NO	.02	.02		.01	.01	.01	.01	.02	.02	.02	.02	.01	.02	.02	.01	.02	.02	.02	.02	.01	.02	.02	.02	.02	.016	31	.03
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

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Table 3-62

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

CINCINNATI, OHIO

TOTAL OXIDANT
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1																											
2																											
3*																											
4*																											
5																											
6																											
7																											
8																											
9																											
10*																											
11*																											
12																											
13																											
14																											
15																											
16																											
17*																											
18*																											
19																											
20	.02	.01			.01	.02	.02	.02	.02	.01			.03	.04								.03	.03	.02	.022	13	.04
21	.02			.01	.01	.01	.01	.00	.01	.01	.03	.04	.04	.04	.04	.05								.00	.021	15	.05
22	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00						.01	.00	.00	.00	.00	.00	.00	.001	19	.01
23	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00				.03	.03	.02	.00	.00	.00	.00	.00	.01	.005	20	.04
24*	.00	.00		.00	.00	.00	.00	.00	.01	.01	.01	.04	.04	.04			.03	.02	.02	.02	.02	.02	.01	.02	.014	21	.06
25*	.01	.01				.01	.02	.01			.02	.02	.03	.03			.03					.01	.01	.02	.017	13	.06
26	.00	.00		.01	.00	.01	.01	.01	.01	.01	.00	.01	.03	.02				.03	.02	.02	.02	.02	.02	.01	.012	20	.04
27																											
28																											
29																											
MEAN	7	6		5	6	7	7	7	6	5	6	6	5	5	1	2	3	4	4	4	4	6	6	7		120	
NO	.02	.01		.01	.03	.02	.02	.02	.02	.01	.03	.04	.04	.04	.04	.05	.03	.03	.02	.02	.02	.03	.03	.02	.022		.06
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

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Table 3-63

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
MARCH 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1																											
2*																											
3*																											
4																											
5																											
6																											
7																											
8																											
9*																											
10*																											
11																											
12																											
13																											
14	.00	.00		.00	.00	.00	.00	.00	.00	.01	.03	.03	.03				.04	.03	.02	.02	.02	.02	.02	.02	.014	20	.04
15																											
16*																											
17*																											
18																											
19	.02	.00			.01	.02	.01	.02	.01	.01	.02						.06	.02	.01	.03	.05	.05	.05	.03	.024	17	.07
20	.03	.04		.02	.01	.02	.01	.01	.01	.01	.04						.01	.01	.01	.00	.01	.01	.00	.00	.013	18	.05
21	.01	.01		.02	.02	.01	.01	.02	.00	.00	.01	.01				.01	.00	.00	.00	.00	.00	.00	.00	.00	.006	20	.03
22	.00	.00		.01	.01	.01	.00	.01	.01	.01	.01					.02	.01	.01	.01	.01	.01	.01	.02	.02	.009	19	.02
23*	.02	.02		.01	.02	.02	.02	.02	.02	.02	.03	.03	.04	.04	.04	.04	.04	.03	.03	.02	.02			.03	.027	21	.05
24*	.03	.02		.03	.03	.02	.01	.02	.02	.02	.03	.03	.04	.05	.06	.05	.05	.06	.05	.02	.01	.01	.02	.02	.029	23	.06
25	.01	.01		.01	.01	.01	.00	.00	.01	.01	.03	.04	.04	.05	.04	.04	.04	.04	.03	.03	.02	.00	.00	.01	.021	23	.06
26	.01	.01		.03	.02	.01	.01	.01	.01	.02	.04	.05	.06	.06	.06	.07	.06	.06	.04	.02	.02	.02	.04	.03	.033	23	.07
27	.04	.04		.02	.03	.01	.02	.01	.02	.02	.03	.05	.06			.05	.04	.04	.03	.01	.01	.02	.02	.04	.029	21	.07
28	.04	.05		.04	.03	.01	.01	.01	.02	.03		.03	.04	.05	.06	.05	.05	.05	.04	.03	.02	.01	.01	.01	.029	22	.06
29	.02	.03								.04	.04	.05				.04	.04	.03	.02	.04	.04	.02	.01	.01	.030	14	.05
30*	.01	.01		.02	.02	.02	.02					.05	.06	.07	.07	.07	.07	.06	.06	.04	.04	.03	.02	.02	.037	19	.08
31*	.02	.03		.02	.03	.02	.03	.03	.02	.03	.02	.02	.03	.02	.02	.02	.02	.02	.02	.02	.03	.04	.03	.02	.024	23	.04
MEAN																											
NO	14	14		12	13	13	13	12	12	13	12	11	9	7	7	11	14	14	14	14	14	13	13	14		283	
MAX	.04	.05		.04	.03	.02	.03	.03	.02	.04	.04	.05	.06	.07	.07	.07	.07	.06	.06	.04	.05	.05	.05	.04	.037		.08

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

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CONTINUOUS AIR MONITORING PROGRAM

Table 3-64

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN. MAX
1																											
2	.02	.03		.01	.01	.01	.01	.01	.01	.02	.03	.04	.04	.04		.05	.05	.05	.03	.03	.02	.02	.02	.02	.026	20	.06
										.02	.04	.03	.03	.03			.04	.03	.03	.03	.02	.02	.02	.02	.027	15	.05
3				.05	.04	.03			.02	.02	.03					.02	.02	.03	.03	.03	.03	.03	.03	.03	.029	15	.05
4	.03	.02		.04	.03					.02	.01	.01	.03	.02			.03	.03	.03	.04	.02	.02	.02	.02	.025	17	.04
5	.03	.03			.03	.03	.02	.02	.02	.01	.01	.01	.02	.03		.02	.02	.02	.03	.02	.03	.02	.02	.02	.022	21	.04
6*																											
7*																											
8																											
9	.02	.01			.01	.01	.01	.01	.02	.04	.04					.05	.05	.04	.03	.02	.03	.03	.02	.02	.025	18	.06
10	.02	.02			.02	.01	.02	.03	.01	.03	.04	.04	.05	.05				.03	.03	.03	.02	.02	.01	.02	.024	19	.06
11																											
12																											
13*																											
14*																											
15																											
16		.00		.00	.00	.00	.01	.01	.01	.03	.04					.06	.05	.05	.05	.03	.02	.01	.02	.03	.023	18	.06
17	.02	.04		.05	.03				.01	.01	.02	.02	.03	.02		.02	.02	.01	.01	.01	.03	.02	.02	.02	.021	19	.05
18																											
19																											
20*																											
21*																											
22																											
23																											
24																											
25																											
26		.00		.00	.00	.00	.00	.01	.00	.02	.02	.04								.00	.00	.00			.007	13	.06
27*																											
28*	.01	.01		.01	.01	.01	.02	.02	.01	.04	.07					.09	.09	.09	.07	.07	.05				.041	16	.13
29	.01	.00		.02	.03	.03	.02	.01				.08	.09								.00	.00	.00	.00	.021	13	.13
30																											
MEAN																											
NO	8	10		8	11	9	8	8	9	11	11	8	7	6		7	9	10	10	11	12	11	10	10		204	
MAX	.03	.04		.05	.04	.03	.02	.03	.02	.04	.07	.08	.09	.05		.09	.09	.09	.07	.07	.05	.03	.03	.03	.041		.13

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-65

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1							.01	.00	.00		.03	.06	.07			.09	.10	.08	.05	.03	.01	.00	.01	.03	.038	15	.14
2	.04				.01	.02	.01	.01	.02	.04	.05						.07	.07	.07	.04	.01	.00	.01	.00	.029	16	.10
3																											
4*																											
5*	.02	.02				.01	.01	.03	.03	.02	.03	.03	.03	.04	.04	.05	.05	.05	.04	.03	.02	.02	.01	.02	.028	21	.08
6																											
7																											
8																											
9																											
10																											
11*																											
12*																											
13																											
14		.06		.07	.06	.04	.03	.03	.05	.01						.05	.03	.05	.06	.04	.03	.02	.03	.03	.040	17	.15
15																											
16																											
17																											
18*																											
19*																											
20																											
21																											
22	.01	.01		.00	.01	.01	.01	.07	.05	.07	.05	.06	.08				.04	.03	.04	.02	.01	.01	.01	.01	.029	20	.09
23	.02					.04	.02	.01	.00	.01					.03	.04	.03	.03	.01	.02	.01	.02	.02		.019	15	.05
24										.02	.03	.02	.01	.02	.01	.02	.02	.01	.01	.02	.02	.02			.016	13	.04
25*																											
26*	.03	.02		.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02	.01	.02	.01	.01	.01	.01	.024	23	.04
27	.02	.02		.03	.02	.01	.01	.01	.00	.01	.03	.03	.03	.04	.04	.03	.03	.03	.02	.02	.02	.02	.01	.01	.020	23	.06
28	.01	.01		.01	.00	.00	.00	.01	.00	.01				.02			.05	.04	.03	.02	.00	.00	.00	.00	.011	18	.06
29	.01	.00		.00	.00	.00	.01	.00	.00	.00	.01	.03	.04	.04	.04	.04	.04	.03	.02	.01	.01	.00	.00	.00	.015	23	.06
30	.01	.02		.01	.01	.00	.00	.00	.01	.03	.02	.04	.04	.05	.05	.05	.05	.05	.05	.04	.01	.01	.00	.01	.025	23	.07
31	.01	.00		.00	.00	.00	.00	.00	.02	.05	.06	.06	.07	.06	.06	.07	.06	.05	.04	.01	.01	.01	.01	.01	.028	23	.08
MEAN																											
NO.	10	9		8	9	11	12	12	12	12	10	9	9	8	8	10	13	13	13	13	13	13	12	11		250	
MAX.	.04	.06		.07	.06	.04	.03	.07	.05	.07	.06	.06	.08	.06	.06	.09	.10	.08	.07	.04	.03	.02	.03	.03	.040		.15

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

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CONTINUOUS AIR MONITORING PROGRAM

Table 3-66

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1*	.01	.01		.00	.01	.00	.01	.01	.01	.01	.02	.03	.04	.04	.04	.04	.03	.02	.02	.02	.01	.01	.02	.02	.018	23	.05
2*	.01	.02		.02	.02	.01	.01	.02	.02	.04	.04	.05	.05			.05	.05	.04	.04	.03	.01	.01	.02	.01	.026	21	.06
3	.01	.03		.02	.02	.01	.01	.01	.01	.02	.03	.04	.04	.04	.05	.05	.05	.06	.05	.04	.03	.02	.02	.02	.029	23	.08
4	.01	.00		.00	.00	.00	.00	.00	.00	.01	.05						.05	.06	.05	.06	.04	.03	.03	.03	.024	18	.08
5	.02	.01		.00	.00	.00	.00	.00	.02			.07	.08	.07			.06	.07	.05	.05	.03	.00	.00	.00	.028	19	.12
6	.00	.00		.00	.00	.00	.00	.00	.02	.04	.05	.07	.07	.07	.06	.08	.07	.08	.08	.05	.03	.01	.01	.01	.034	23	.12
7	.00	.00		.00	.00	.00	.00	.00	.00	.05	.13	.12	.12	.12	.13	.11	.10	.09	.08	.06	.05	.05	.01	.01	.053	23	.15
8*	.01	.00		.00	.00	.00	.00	.00	.01	.07	.09	.10	.10	.10	.07	.07	.05	.05	.05	.04	.02	.01	.00	.01	.037	23	.14
9*	.00	.00		.00	.00	.00	.00	.04	.03	.08	.10	.11	.11	.10	.07	.09	.08	.08	.08	.04	.03	.02	.02	.04	.046	23	.14
10	.03	.04		.03	.01	.00	.01	.01	.04	.07	.08	.09	.10	.09		.09	.10	.10	.08	.07	.04	.03	.04	.05	.054	22	.12
11	.04	.01		.00	.00				.02	.06	.09	.10					.10	.09	.07	.04	.03	.02	.03	.01	.044	18	.13
12																											
13		.01		.01	.00	.00	.00	.00	.02	.02	.02	.02	.03	.03	.03	.03	.04	.03	.03	.02	.01	.00	.00	.00	.016	22	.06
14																											
15*																											
16*																											
17																											
18																											
19																											
20																											
21	.00	.00		.00	.00	.00	.00	.00	.01			.02				.03	.02	.03	.03	.02	.01	.00	.00	.01	.009	18	.04
22*	.02	.01		.02	.02	.01	.01	.02	.02	.03	.02	.03	.03	.02	.01	.00	.01	.01	.00	.00	.00	.00	.00	.00	.013	23	.04
23*	.00	.00		.01	.01	.01	.01	.01	.01	.02	.03	.03	.04	.04			.03	.02	.02	.01	.01	.01	.01	.01	.016	21	.04
24	.02	.02			.01	.01	.01	.01	.02	.02	.02	.03	.02	.02	.02	.02		.01	.01	.01	.01	.01	.01	.01	.015	16	.03
25																											
26	.01	.01		.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.02	.02	.02	.02	.03	.02	.02	.02	.02	.01	.01	.011	23	.03
27	.01	.01		.01	.00	.01	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.01	.00	.00	.006	23	.02
28	.00	.01		.01	.00	.00	.00	.00	.00	.02	.03	.03	.03	.04	.03	.02	.03	.04	.04	.03	.03	.02	.02	.02	.019	23	.05
29*																											
30*																											
MEAN	.01	.01		.01	.01	.00	.00	.00	.01	.03	.05	.05	.05				.05	.05	.04	.03	.02	.01	.01	.01	.026		
NO	18	19		18	19	18	18	18	19	17	17	18	16	15	12	15	18	19	19	18	18	18	18	18		403	
MAX	.04	.04		.03	.02	.01	.01	.02	.04	.08	.13	.12	.12	.12	.13	.11	.10	.10	.08	.07	.05	.05	.04	.05	.054		.15

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-67

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM

POTASSIUM IODIDE ANALYSIS

CINCINNATI, OHIO

TOTAL OXIDANT
JULY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1		.02			.01	.01	.01	.02	.06	.04	.04	.04				.02	.01	.02	.02	.03	.03	.01	.01	.00	.021	18	.06
2																											
3																											
4		.00		.01	.00	.00	.00	.00	.01	.03	.04				.08	.08	.08	.06	.05	.06	.05	.01	.00	.00	.030	19	.09
5	.00	.00		.01	.01	.01	.00	.00	.03	.05	.06	.08	.08	.09	.07	.08	.07	.06	.05	.03	.01	.01	.01	.01	.034	23	.10
6*	.00	.00		.01	.00	.00	.00	.01	.02	.02	.03	.05	.05	.05	.05	.05	.05	.05	.06	.04	.02	.01	.00	.01	.025	23	.07
7*	.00	.01		.01	.00	.01	.00	.01	.03	.04	.04	.05	.06	.06	.06	.05									.027	15	.07
8				.00	.01	.01	.00	.01	.02	.02	.02	.04	.04	.04	.04	.04	.03	.02	.02	.02	.01	.01	.01		.020	20	.05
9		.00		.01	.00	.00	.00	.01	.01	.02	.02	.03	.03	.03		.02	.02	.02	.03	.03	.02	.00	.00	.01	.014	21	.04
10	.01	.01		.00	.00	.00	.00	.00	.02	.04	.04	.05	.06	.05	.02	.02	.01	.02	.01	.01	.01	.01			.019	21	.08
11																											
12	.00	.00			.00	.00	.00	.01	.03	.06	.07	.07				.07	.07	.06	.04	.03	.02	.01	.01	.01	.029	19	.09
13*	.00	.00		.00	.00	.00	.00				.04	.05	.06	.05	.05	.07	.06	.04	.03	.03	.03			.02	.029	18	.07
14*																											
15						.00	.00	.01	.00	.00	.01	.01	.02	.02	.02	.03	.02	.03	.02	.02	.00	.01	.00	.00	.012	19	.03
16	.01	.00		.00	.00	.00	.00	.01	.01	.01	.01	.01	.02	.03		.05	.04	.04	.04					.01	.016	18	.05
17																											
18																											
19																											
20*																											
21*																											
22																											
23																											
24																											
25																											
26																											
27*																											
28*																											
29																											
30																											
31																											
MEAN																											
NO	7	10		9	11	12	12	11	11	11	12	11	9	9	8	12	11	11	11	10	10	9	8	9		234	
MAX	.01	.02		.01	.01	.01	.01	.02	.06	.06	.07	.08	.08	.09	.08	.08	.08	.06	.06	.06	.05	.01	.01	.02	.034		.10

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

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CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-68

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CINCINNATI, OHIO

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2																											
3*																											
4*																											
5																											
6																											
7																											
8																											
9																											
10*																											
11*																											
12																											
13																											
14																											
15																								---			
16																											
17*																											
18*																											
19																											
20																											
21																											
22																											
23																											
24*																											
25*																											
26																											
27		.01				.01	.02	.01	.01	.02	.03	.03	.04	.04		.04	.04	.05	.04	.03	.02	.01	.02	.03	.025	19	.05
28	.03	.03		.01	.01	.02	.02	.01	.02				.04			.06	.06	.06	.05	.04	.03	.03			.031	16	.08
29		.02						.02	.02	.03	.06	.07	.08	.08	.08	.07	.07	.07	.06	.04	.03	.02	.02	.03	.048	18	.09
30	.02	.02		.01	.01	.02	.02	.02	.02	.04	.06	.06	.06	.05											.030	13	.07
31*																											
MEAN																											
NO.	2	4		2	2	3	3	4	4	3	3	3	4	3	1	3	3	3	3	3	3	3	2	2		66	
MAX.	.03	.03		.01	.01	.02	.02	.02	.02	.04	.06	.07	.08	.08	.08	.07	.07	.07	.06	.04	.03	.03	.02	.03	.048		.09

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-69

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

CINCINNATI, OHIO

TOTAL OXIDANT
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX.
1*																											
2																											
3																											
4																											
5																											
6																											
7*		.01		.02	.01	.01	.03	.01	.03	.03	.04	.04			.05	.05	.05	.05	.03	.02	.03	.03	.04	.05	.031	20	.06
8*	.03	.03		.02	.01	.01	.00	.00	.01	.03	.04	.05				.04	.04	.05	.04	.03	.01	.01	.02	.01	.023	20	.05
9	.02	.02		.02				.01	.01	.01	.02	.03	.04			.05	.04	.03	.03	.01	.01	.01	.00	.00	.018	18	.06
10	.00	.00		.00	.01	.01	.01	.01	.01	.01	.01	.01				.01	.01	.01	.01	.01	.01	.01	.01	.01	.008	20	.02
11																											
12																											
13																											
14*																											
15*																											
16																											
17																											
18																											
19																											
20																											
21*																											
22*																											
23		.00		.01	.00		.01	.02	.02	.02	.03	.03	.04	.05	.04	.05	.04	.03	.02	.01	.02	.01	.00	.00	.021	21	.06
24	.00	.00		.00	.00	.00	.00	.00	.01	.02	.03	.04	.04	.06			.05	.04	.03	.01	.01	.01	.01	.02	.018	21	.06
25																											
26																											
27																											
28*																											
29*																											
30																											
MEAN	4	6		6	5	4	5	6	6	6	6	6	3	2	2	5	6	6	6	6	6	6	6	6		120	
NO.																											
MAX	.03	.03		.02	.01	.01	.03	.02	.03	.03	.04	.05	.04	.06	.05	.05	.05	.05	.04	.03	.03	.03	.04	.05	.031		.06

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-70

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

CINCINNATI, OHIO

TOTAL OXIDANT
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2																											
3																											
4																											
5*																											
6*																											
7																											
8																											
9																											
10																											
11																											
12*																											
13*																											
14																											
15																											
16																											
17		.02		.02	.02	.02	.02	.01	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.022	22	.03
18	.02	.03		.03	.02	.01	.01	.01	.02	.02	.02	.02	.02			.02	.02	.02	.02	.02	.02	.03	.03	.03	.020	21	.04
19*	.03	.03		.02	.02	.02									.04	.04	.03	.02	.00	.02	.04	.03	.02	.03	.025	15	.08
20*	.03	.02		.02	.02	.02	.01	.01	.02	.02	.03	.03					.04	.02	.01	.00	.05	.03	.02	.02	.021	19	.07
21	.02	.01		.02	.01	.00	.05	.06	.08	.03	.02	.02						.01	.01	.03	.02	.04	.03	.02	.026	18	.09
22	.02	.02		.03	.02	.01	.02	.02	.02	.02	.03			.04	.03	.03	.03	.03	.02	.02	.02	.01			.022	19	.05
23																											
24																											
25	.02	.02		.01	.01	.02	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.016	23	.03
26*	.02	.02		.01	.01	.01	.01	.01	.02	.02	.03	.02	.02	.03	.03				.01	.02	.02	.03	.03		.019	19	.04
27*																											
28																											
29																											
30	.03	.03		.03	.03	.02	.02	.05	.04	.04									.01	.01	.04	.01	.06	.05	.030	15	.08
31	.05	.04		.05	.04	.04	.04	.04	.03									.01	.06	.05	.14	.04			.049	13	.19
MEAN																											
NO	9	10		10	10	10	9	9	9	8	7	6	4	4	5	5	6	8	10	10	10	10	8	7		184	
MAX	.05	.04		.05	.04	.04	.05	.06	.08	.04	.03	.03	.03	.04	.04	.04	.04	.03	.06	.05	.14	.04	.06	.05	.049		.19

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-71

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
NOV. 1968

DAY OF MONTH	A M												P M												DAILY MEAN	NO OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1	.02	.02		.03	.03	.02	.02	.03	.02	.02	.03	.04	.05	.06	.06	.05	.04	.03	.03	.03	.02	.02	.02	.02	.031	23	.07
2*	.02	.02		.01	.01	.02	.02	.01								.02	.01	.02	.02	.02	.01	.02	.02	.01	.015	16	.04
3*	.02	.00							.00	.01	.01	.03	.03	.03	.03	.02	.02	.01	.01	.02	.02	.01	.02	.02	.016	18	.04
4																											
5																											
6																											
7	.02	.02		.01	.01	.02	.02	.02	.01	.00	.00	.00	.01	.00			.00	.00	.00	.01	.01	.01	.01	.01	.009	21	.05
8	.01	.02		.02	.02	.02	.02	.02	.02	.01			.01			.01	.01	.02	.01	.01	.02	.02	.02		.014	18	.02
9*																											
10*				.03	.03	.02	.01	.01	.02	.02	.01							.00	.00	.04	.01	.03	.02	.04	.018	15	.09
11																											
12																											
13																											
14	.01	.01		.01	.01	.00	.00	.01	.02	.03				.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.015	20	.04
15	.02	.03		.02	.02	.03	.02	.01	.01					.01	.01	.01	.02	.02	.01	.01	.02	.02	.03	.03	.018	19	.05
16*				.02	.02	.01	.01	.02	.02	.02	.02			.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.014	19	.02
17*	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.012	23	.03
18	.02	.02		.02	.02	.01	.01	.01	.01	.01			.02		.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.013	20	.02
19				.01	.01	.01	.01	.02					.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.017	17	.02
20	.02	.01		.02	.01	.01	.01	.01	.01	.02			.02	.01	.01	.01	.01	.01				.01	.01	.01	.012	18	.04
21																											
22																											
23*	.03	.04		.02	.01	.02	.02	.02				.04	.04	.04	.05	.05	.04	.03	.03	.02	.02	.03	.03	.03	.030	20	.05
24*	.04	.04		.02	.02	.01	.01	.01	.01	.01	.01	.02	.02	.02	.01	.01	.01	.01	.01	.03	.03				.016	20	.05
25	.01	.00		.00	.00	.00	.02	.04	.04				.01	.00		.00	.00	.01							.010	13	.06
26																											
27																											
28																											
29	.01	.01		.01	.00	.00	.01	.01	.01	.01	.01	.01	.02	.02	.02	.01	.01	.01							.010	11	.02
30*																											
MEAN				.02	.01	.01	.01	.02									.01	.01									
NO	14	14		16	16	16	16	16	14	12	8	7	12	13	12	15	16	17	14	14	14	14	14	13		317	
MAX	.04	.04		.03	.03	.03	.02	.04	.04	.03	.03	.04	.05	.06	.06	.05	.04	.03	.03	.04	.03	.03	.03	.04	.031		.09

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-72

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CINCINNATI, OHIO

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*																											
2																											
3																											
4																											
5																											
6																											
7*																											
8*																											
9																											
10																											
11																											
12																											
13																											
14*																											
15*																											
16																											
17																											
18																											
19																											
20																											
21*																											
22*																											
23																											
24																											
25																											
26																											
27																											
28*																											
29*																											
30																											
31																											
MEAN																											
NO																											
MAX																									.000		.00

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

SECTION 4
SOILING INDEX
DATA TABLES

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Table 4-I

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CINCINNATI OHIO — JAN/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	1.1	1.1	1.6	0.1	1.2	1.2	0.3	0.0	0.8	0.3	0.7	1.2	0.84	12	1.6
02	1.0	1.5	1.9	1.1	1.4	2.2	1.3	1.4	1.5	1.2	1.0	1.7	1.49	12	2.2
03	1.9	0.7	1.0	1.0	1.3	1.1	1.6	1.2	0.9	1.0	0.4	0.9	1.12	12	1.9
04	0.6	0.5	0.6	0.9	1.7	1.2	0.7	0.2	0.4	0.5	0.5	0.6	0.75	12	1.7
05	1.1	0.3	0.4	1.2	2.1	1.5	0.4	1.5	1.7	1.5	1.1	1.6	1.25	12	2.1
06	1.1	1.7	1.6	1.4	1.3	0.9	1.3	0.9	1.4	1.4	1.0	0.8	1.29	12	1.7
07	0.3	0.9	0.7	0.5	1.1	0.7	0.3	0.7	0.4	0.5	0.7	0.7	0.67	12	1.1
08	0.6	0.7	1.2	2.5			0.9	0.8	0.6	0.8	1.0	1.0	1.06	10	2.5
09	1.1	1.4	1.1	1.3	1.5	1.6	2.5	1.0	1.0	0.8	0.7	1.2	1.31	12	2.5
10	1.1	1.1	1.4	1.3	1.0	0.8	0.7	0.8	1.0	1.2	0.8	0.9	1.07	12	1.6
11	0.9	0.9	1.3	1.6	1.7	1.0	1.3	1.1	1.7	1.3	0.8	1.3	1.29	12	1.7
12	1.2	1.1	0.9	1.6	1.3	1.0	1.2	1.7	1.9	1.5	1.2	1.1	1.34	12	1.9
13	0.8	0.8	1.2	0.7	1.1	0.8	0.4	1.1	1.0	0.9	0.7	1.3	0.93	12	1.3
14	1.1	1.0	1.0	1.1	1.4	1.5	1.2	1.1	1.4	1.4	1.5	1.1	1.29	12	1.5
15	0.9	1.0	1.2	1.2	1.2	1.0	0.6	1.1	0.9	0.9	1.7	1.1	1.09	12	1.7
16	1.4	1.4	2.6	4.5	4.8	2.7	0.7	1.2	1.5	1.9	1.6	1.7	2.20	12	4.8
17	1.3	1.4	1.5	2.2	3.2	2.5	1.8	1.6	1.5	1.0	1.8	1.1	1.79	12	3.2
18	1.9	2.7	2.7	4.0	4.3	1.9	2.3	1.7	2.0	2.9	2.2	2.3	2.61	12	4.3
19	1.0	1.6	1.5	2.7	2.0	1.4	0.8	0.2	1.6	2.7	1.8	2.2	1.67	12	2.7
20	0.8	1.0	1.0	1.3	3.0	1.6	1.8	1.9	1.5	1.3	1.3	1.5	1.54	12	3.0
21	0.6	0.9	0.9	0.5	0.8	0.8	0.5	1.4	0.7	0.6	0.2	0.7	0.77	12	1.4
22	0.7	0.6	0.7	1.7	1.8	1.2	1.1	1.2	1.5	1.2	2.0	1.1	1.25	12	2.0
23	0.9	0.2	0.9	0.5	0.6	0.7	0.8	0.5	0.0	0.7		0.6	0.62	11	0.9
24	0.0	0.2	0.7	1.5	0.9	0.5	0.5	0.7	0.7	1.0	0.8	0.6	0.72	12	1.5
25	0.6	1.0	0.9	1.7	1.6	2.7	1.7	1.7	1.5	2.3	2.6	2.8	1.79	12	2.8
26	1.9	2.3	1.9	2.7	2.4	2.3	1.4	1.1	1.1	1.3	1.0	3.0	1.89	12	3.0
27	2.8	2.6	1.8	2.9	2.1	1.8	1.2	1.0					7 06	08	2.9
28															
29															
30															
31						1.1	1.1	1.2	1.1	1.0	0.9	0.8	1.06	07	1.2
AVG	1.06	1.13	1.27	1.61	1.78	1.39	1.08	1.07	1.15	1.22	1.15	1.29	1.25		
N(3)	27	27	27	27	26	27	28	28	27	27	26	27		324	
MAX*	2.8	2.7	2.7	4.5	4.8	2.7	2.5	1.9	2.0	2.9	2.6	3.0	2.61		4.8

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

SOILING INDEX DATA TABLES

Tables 4-1 through 4-12 present soiling index values at the station by month. Each value was obtained from a2-hour integrated sample beginning at the time indicated in the column heading. A missing value indicates that the sample was not taken or was invalid because of instrument malfunction.

The first summary line (titled MONTHLY MEAN) represents the arithmetic mean of the 2-hour average values in the column, and is calculated only if 16 or more days are represented. The first summary column (titled DAILY MEAN) gives the arithmetic mean of the 2-hour values for the day; if fewer than seven such values are present, the daily mean is not calculated, and the data are not included in the summaries; however, the component 2-hour values for the day are not deleted from the table as is done with data on gaseous pollutants.

The other summary columns and rows are the number of and maximum of the respective 2-hour values. Four summary figures appear in the lower right corner; the mean and maximum values for the month are the upper left and lower right figures, respectively, while the center figure is the total number of values. The lower left summary number is the maximum daily average from the column above.

Table 4-2

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CINCINNATI OHIO — FEB/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	1.0	0.6	1.1	1.7	1.8	0.7	0.8	1.0	0.8	0.7	0.8	0.4	0.98	12	1.8
02	0.3	0.4	0.4	0.7	0.4	0.5	0.6	0.7	0.5	0.7	0.8		0.58	11	0.8
03	0.3	0.5	0.3	0.4	1.0	0.9	0.3	0.7	0.6	0.0	0.9	1.6	0.69	12	1.6
04	1.0	0.5	1.3	1.1	1.0	0.8	0.7		0.1	0.8	0.8	1.1	0.89	11	1.3
05	0.9	0.6	0.3	1.4	1.1	0.6	0.6	0.3	0.4	1.0	1.6	1.6	0.90	12	1.6
06	1.6	2.2	2.7	4.3	3.6	5.1	2.6	1.4	0.9	1.8	2.5	3.4	2.72	12	5.1
07	2.7	3.1	3.2	4.0	4.0	1.5	1.1	0.2	1.5	1.3	1.4	1.2	2.15	12	4.0
08	1.4	0.7	0.9	1.5	1.4	0.9	0.5	0.9	0.7	1.2	0.7	0.3	0.96	12	1.5
09	0.8	0.7	0.7	1.1	1.2	1.1	1.0	0.8	0.7	0.4	0.3	0.9	0.81	12	1.2
10	0.6	0.4	0.9	0.6	0.9	1.1	0.2	0.4	0.6	0.8	0.4	0.4	0.65	12	1.1
11	0.3	0.5	0.4	0.7	1.1	1.5	0.4	0.4	0.8	0.9	0.4	1.0	0.75	12	1.5
12	0.4	0.5	1.3	1.5	0.7	0.5	0.7	0.4	0.2	1.0	0.8	0.7	0.77	12	1.5
13	0.5	0.2	0.9	1.1	0.8	0.6	0.4	0.9	1.1	1.5	1.9	1.5	1.00	12	1.9
14	0.9	1.0	0.7	2.0	1.3	0.4	0.7	1.1	1.4	1.0	1.0	0.8	1.08	12	2.0
15	0.9	0.8	0.8	1.0	1.0	0.5	0.9	0.4	0.5	0.7	1.0	2.0	0.92	12	2.0
16	1.3	1.5	1.2	2.3	1.8	1.2	0.5	0.7	1.4	1.4	1.4	1.1	1.36	12	2.3
17	0.6	0.5	0.5	0.2	0.4	0.3	0.5	0.5	0.4	0.5	0.4	0.6	0.50	12	0.6
18	0.7	0.6	0.5	0.0	1.1	0.6	0.4	0.5	0.7	1.0	1.3	0.6	0.71	12	1.3
19	1.0	0.8	1.5	1.6	1.8	1.1	0.4	1.5	0.8	1.0	0.7	0.4	1.10	12	1.8
20	0.2	0.2	0.9	1.1	1.3	1.2	0.5	0.9	0.8	0.8	0.7	0.4	0.79	12	1.3
21	0.2	0.7	1.5	1.7	1.7	0.8	0.5	0.4	0.9	0.7	0.6	1.5	0.96	12	1.7
22	1.8	1.3	1.1	1.6	1.9	1.5	1.1	0.8	1.5	1.4	2.1	1.8	1.53	12	2.1
23	1.5	1.0	1.4	2.9	3.1	1.8	0.9	0.4	1.0	1.4	2.1	2.2	1.67	12	3.1
24	2.0	2.8	2.6	3.2	4.2	1.2	0.5	0.4	0.8	0.9	0.9	0.8	1.73	12	4.2
25	0.9	1.0	0.8	0.9	1.9	0.5	0.4	0.7	0.4	1.2	1.9	2.9	1.08	12	2.9
26	3.2	3.0	3.7	5.1	5.4	2.4	1.1	0.4	1.2	1.4	2.1	2.7	2.68	12	5.4
27	2.3	2.5	2.3	1.7	1.8	1.9	1.0	1.7	1.7	1.1	0.9	0.6	1.66	12	2.5
28	0.8	0.5	1.2	2.2	1.6	1.0	0.8	0.5	0.6	1.1	0.7	0.9	1.04	12	2.2
29							0.5	2.1	1.3	1.0					
AVG	1.05	1.03	1.25	1.70	1.73	1.15	0.71	0.69	0.82	0.98	1.11	1.23	1.11		
N(3)	28	28	28	28	28	28	28	27	28	28	28	27		334	
MAX@	3.2	3.1	3.7	5.1	5.4	5.1	2.6	1.7	1.7	1.8	2.5	3.4	2.72		5.4

(1) N=NUMBER OF VALID 2-HR SCOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
@ MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-3

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH — TIME (STARTING HOUR) — CINCINNATI OHIO — MARCH/68

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01															
02															
03															
04															
05															
06															
07															
08															
09															
10															
11								0.7	0.9	0.8	0.4	0.7			
12	0.6	0.9	0.5	1.1	0.8	0.8	1.1	1.0	1.3	1.0	1.0	1.1	0.98	12	1.3
13	1.1	0.8	1.0	1.4	0.7	0.8	0.8	0.7	0.8	1.0	1.8	1.7	1.09	12	1.8
14	2.3	2.9	2.7	3.6	3.6	1.4	1.4	1.3	1.3	1.2	1.8	1.3	2.13	12	3.6
15	1.5	0.9	1.2	1.7	1.7	1.2	1.0	1.4	1.8	2.1	1.7	1.1	1.47	12	2.1
16	1.1	1.2	1.0	1.4	1.3	1.1	1.2	0.8	1.0	1.4	2.9	4.9	1.65	12	4.9
17	3.0	2.1	2.7	3.5	4.0	1.7	0.8	0.8	0.7	1.1	2.4	3.0	2.18	12	4.0
18	2.7	3.2	3.3	4.5	5.6	3.3	0.9	1.1	0.8	1.3	2.1	3.4	2.73	12	5.6
19	3.5	2.4	2.0	4.4	3.2	2.6	0.9	0.9	1.2	1.5	1.6	1.1	1.98	12	3.5
20	0.9	1.2	2.1	4.5	2.3	1.3	0.7	0.8	1.6	1.3	1.6	1.0	1.49	12	2.5
21	0.8	0.6	0.6	1.5	2.3	1.6	1.3	1.3	1.3	1.4	1.2	1.0	1.28	12	2.3
22	1.0	0.5	1.0	0.8	0.9	1.4	1.1	1.4	1.7	1.2	1.1	0.6	1.10	12	1.7
23	0.5	0.4	0.2	0.7	1.5	1.0	0.9	0.7	1.2	0.8	0.8	0.5	0.81	12	1.5
24	0.8	0.3	0.1	1.1	1.2	1.3	1.2	0.8	1.0	1.5	1.7	2.1	1.14	12	2.1
25	1.2	0.9	1.9	1.7	2.5										
26						2.1	1.3	1.4	0.9	0.9	1.3	1.9	1.44	07	2.1
27	3.4	2.3	1.1	0.9	0.7	0.6	1.4	1.3	0.7	0.8	0.8	1.2	1.31	12	3.4
28	1.7	1.0	0.4	0.8	0.5	1.1	1.0	0.8	1.2	0.2	0.8	0.7	0.90	12	1.7
29	1.1	1.8	0.6	0.4	0.6	0.9	0.3	0.6	0.7	1.0	0.7	0.7	0.84	12	1.8
30	0.8	0.6	0.5	0.5	0.4	0.5	0.9	2.0	2.2	1.0	0.5	0.3	0.89	12	2.2
31	0.4	0.9	0.3	0.5	0.5	0.8	0.7	0.2	0.3	0.6	0.7	1.4	0.65	12	1.4
AVG	1.49	1.31	1.22	1.63	1.80	1.34	0.99	1.01	1.14	1.12	1.39	1.52	1.32		
N(3)	19	19	19	19	19	19	19	19	19	19	19	19		223	
MAX*	3.5	3.2	3.3	4.5	5.6	3.3	1.4	2.0	2.2	2.1	2.9	4.9	2.73		5.6

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-4

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CINCINNATI OHIO — APRIL/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	1.0	0.7	0.1	0.1	0.6	0.6	0.8	0.5	0.8	1.0	0.7	0.5	0.64	12	1.0
02	0.5	0.6	0.9	1.0	1.1	0.8	0.9	1.0	1.6	1.4	1.2	1.0	1.04	12	1.6
03	0.3	0.7	1.4	1.3	1.2	1.6	1.1	1.4	1.0	1.2	0.9	0.7	1.12	12	1.6
04	0.3	0.1	0.9	0.7	0.7	0.8	0.9	0.2	0.8	0.8	0.4	0.4	0.65	12	0.9
05	0.6	0.6	0.8	1.2	1.1	1.3	1.4	1.4	0.9	0.7	0.9	0.7	1.01	12	1.4
06	1.1	0.5	0.7	0.6	0.8	0.0	0.5	0.8	0.5	1.6	2.3	3.5	1.12	12	3.5
07	3.1	2.9	3.0	2.6	1.1	0.7	0.8	0.8	0.7	0.7	0.6	0.6	1.52	12	3.1
08	0.9	0.7	1.0	1.5	0.8	0.9	0.7	0.7	0.7	0.4	0.5	1.0	0.85	12	1.5
09	2.0	2.9	1.2	0.9	0.5	0.5	0.3	0.5	0.6	1.6	1.8	1.9	1.27	12	2.9
10	2.5	2.8	2.9	2.4	0.8	0.5	0.8	0.9	0.8	1.1	0.8	0.4	1.43	12	2.9
11	1.7	1.7	3.6	2.3	0.7	0.4	0.6	0.7	0.8	1.1	1.4	0.9	1.36	12	3.6
12	1.2	1.3	2.2	2.1	0.7	0.4	0.3	0.7	0.5	0.8	1.4	1.9	1.15	12	2.2
13	1.8	2.4	2.3	1.5	0.8	0.5	0.3	0.6	0.8	0.7	0.8	0.7	1.15	12	2.4
14	0.5	1.0	0.8	0.5	0.6	0.2	0.3	0.1	0.3	0.2	0.1	0.5	0.47	12	1.0
15	0.5	0.3	0.9	1.0	0.5	0.5	0.5	0.4	0.9	0.6	0.7	2.0	0.79	12	2.0
16	2.7	2.8	2.8	3.1	1.6	0.7	0.3	0.6	0.6	1.0	1.1	0.9	1.56	12	3.1
17	1.0	0.5	0.7	1.5	2.3	1.6	1.3	1.2	1.3	1.2	1.6	1.4	1.35	12	2.3
18	1.7	1.5	1.6	2.4	1.7	1.1	0.8	0.6	0.8	1.2	0.9	1.1	1.33	12	2.4
19	0.8	0.7	1.5	3.2	1.4	0.8	0.6	0.7	0.7	0.3	0.7	1.0	1.07	12	3.2
20	1.0	1.0	1.2	1.6	1.3	0.8	0.6	0.5	0.4	0.8	0.7	0.7	0.94	12	1.6
21	0.6	0.4	0.8	0.3	0.2	0.3	0.1	0.1	0.4	0.8	1.1	1.7	0.61	12	1.7
22	2.0	2.0	1.5	1.7	0.4	0.6	0.4	0.3	0.8	0.6	0.8	0.8	1.03	12	2.0
23	1.0	1.3	1.3	1.4	0.8	0.8	1.0	1.0	0.6	0.3	0.3	0.2	0.87	12	1.4
24	0.1	0.3	0.8	0.6	0.7	0.8	0.5	0.6	0.5	0.6	0.7	0.5	0.60	12	0.8
25	0.6	0.3	0.5	0.2	1.0	0.5	0.7	0.5	0.7	1.2	1.4	1.6	0.82	12	1.6
26	2.0	2.2	2.4	2.4	1.3	1.2	0.9	0.6	0.8	1.1	1.3	1.2	1.49	12	2.4
27	1.8	1.2	1.6	1.6	0.9	1.0	0.6	0.6	0.7	0.5	0.8	0.7	1.04	12	1.8
28	2.4	2.2	2.8	2.7	1.1	0.2	0.8		0.4	0.3	0.7	0.9	1.36	11	2.8
29	1.8	2.2	1.2	1.3	1.0	0.9	1.0	0.8	1.0	0.8	2.1	1.4	1.33	12	2.2
30	1.4	0.6	0.8	1.3	0.7	0.9	0.7	0.2	0.8	0.6	0.8	2.1	0.96	12	2.1
AVG	1.29	1.28	1.47	1.50	0.94	0.73	0.68	0.65	0.74	0.84	0.98	1.09	1.02		
N(3)	30	30	30	30	30	30	30	29	30	30	30	30		359	
MAX*	3.1	2.9	3.6	3.2	2.3	1.6	1.4	1.4	1.6	1.6	2.3	3.5	1.56		3.6

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-5

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CINCINNATI OHIO

MAY/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.5	0.6	1.0	1.4	1.7	0.9	1.0	1.1	1.0	0.7	1.2		1.06	11	1.7
02	0.6	0.9	2.7	2.0	1.3	0.7	0.5	0.4	0.6	0.8	1.9	2.4	1.28	12	2.7
03	1.4	1.5	1.6	4.5	0.7	0.8	0.8	0.7	0.6	1.2	1.1	0.7	1.17	12	2.5
04	0.7	0.2	0.9	1.0	1.4	0.4	0.4	0.4	0.5	0.4	0.7	0.5	0.66	12	1.4
05	0.3	0.5	0.4	0.8	0.6	0.9	0.3	0.2	0.6	0.4	0.3	0.6	0.54	12	0.9
06	1.4	2.7	2.9	3.5	1.3	0.5		0.2	0.4	0.3	0.2	0.1	1.26	11	3.5
07	0.5	0.4	0.3	0.5	1.2	0.9	0.8	0.5	0.7	1.0	1.2	1.2	0.81	12	1.2
08	1.5	0.7	1.1	1.5	1.5	0.9	0.2	0.6	0.9	0.4	0.4	0.6	0.90	12	1.5
09	0.5	0.6	0.6	0.4	1.1	1.7	0.9	0.7	0.7	0.6	0.9	0.7	0.82	12	1.7
10	0.7	0.8	1.3	1.5	1.8	1.0	1.6	1.8	1.2	1.3	1.4	0.6	1.29	12	1.8
11	0.7	0.7	0.5	0.1	0.9	1.0	1.2	1.0	0.3	0.5	0.5	0.8	0.73	12	1.2
12	0.7	0.5	0.8	0.9	0.8	0.7	0.8	0.5	0.5	0.7	0.8	0.9	0.77	12	0.9
13	1.0	2.0	3.0	3.1	3.5	0.7	0.7	0.4	0.5	0.5	0.8	0.7	1.45	12	3.5
14	0.9	0.8	1.0	1.5	1.4	1.0	0.4	0.4	0.4	0.5	0.6	0.9	0.87	12	1.5
15	0.6	0.9	0.6	1.1	0.6	0.5	0.9	0.8	0.8	0.4	0.4	0.8	0.75	12	1.1
16	0.9	0.5	0.4	0.2	0.7	0.2	0.3	0.3	0.5	0.4	0.7	0.4	0.49	12	0.9
17	0.3	0.8	1.2	1.6	0.7	1.0	0.5	0.8	0.6	0.8	0.8	0.7	0.86	12	1.6
18	0.8	0.9	0.9	1.1	1.2	0.5	0.4	0.6	0.6	0.4	1.0	0.4	0.78	12	1.2
19	0.4	0.1	0.3	0.5	0.6	0.5	0.1	0.7	0.2	0.3	0.4	0.4	0.41	12	0.7
20	0.1	1.3	1.3	1.0	1.1	0.6		0.7	0.5	0.6	0.7	0.6	0.81	11	1.3
21	0.4	0.8	0.8	0.9	1.6	0.8	0.5	0.2	0.4	0.4	0.5	1.1	0.73	12	1.6
22	1.7	1.9	2.5	4.4	4.4	2.4	1.3	0.6	0.5	0.7	0.5	1.2	1.70	12	4.4
23	0.9	0.6	0.2	0.4	0.8	1.2	0.9	0.9	0.9	0.8	1.2	0.9	0.85	12	1.2
24	0.8	0.6	0.9	0.5	0.8	0.8	0.4	1.1	1.2	1.2	0.8	0.8	0.87	12	1.2
25	0.7	0.8		0.8	0.4	0.7	0.6	0.2	0.2	0.5	0.2	0.5	0.54	11	0.8
26	0.8	0.4	0.7	1.0	0.3	0.5	0.7	0.8	0.8	0.5	0.4	0.6	0.66	12	1.0
27	0.7	0.8	0.5	0.9	1.1	0.3	0.4	0.6	0.1	0.6	0.5	0.3	0.62	12	1.1
28	0.5	0.4	1.0	0.9	1.1	0.8	0.7	0.8	0.7	0.5	0.8	1.9	0.87	12	1.9
29	1.3	1.1	2.2	2.0	2.1	1.1	0.4	0.3	0.8	1.0	0.9	0.7	1.19	12	2.2
30	0.6	0.7	0.8	0.6	0.8	0.7	0.5	0.5	0.6	0.6	0.6	1.1	0.72	12	1.1
31	1.1	1.3	0.9	2.6	1.5	0.6	0.6	0.5	0.3	0.5	0.8	1.5	0.98	12	1.6
AVG	0.77	0.86	1.11	1.23	1.25	0.81	0.64	0.62	0.60	0.62	0.74	0.82	.83		
N(3)	31	31	30	31	31	31	29	31	31	31	31	30		368	
MAX#	1.7	2.7	3.0	4.5	4.4	2.4	1.6	1.8	1.2	1.3	1.9	2.4	1.70		4.4

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
\# MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-6

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CINCINNATI OHIO — JUNE/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	1.7	1.5	1.1	1.0	1.4	1.3	0.3	0.5	0.6	0.6	0.2	0.1	0.89	12	1.7
02	0.3	0.4	0.6	0.5	0.4	0.3	0.2	0.1	0.2	0.2	1.0	1.2	0.48	12	1.2
03	0.5	0.6	1.1	1.3	1.0	0.6	0.2	0.7	0.5	0.5	0.6	1.1	0.76	12	1.3
04	1.9	1.9	2.4	3.4	1.6	0.2	0.5	0.2	0.0	0.2	0.3	0.5	1.12	12	3.4
05	2.0	1.9	2.8	3.1	1.0	0.2	0.6	0.6	0.6	0.7	1.4	2.6	1.50	12	3.1
06	1.8	1.9	2.0	4.6	2.0	0.9	0.3	0.4	0.4	0.4	1.2	2.0	1.37	12	2.6
07	2.2	1.8	2.5	4.3	3.0	0.5	0.5	0.6	0.4	0.7	1.0	1.9	1.66	12	4.3
08	2.5	2.4	2.7	4.6	1.6	1.2	0.6		0.4	0.2	0.9	1.1	1.50	11	2.7
09	1.5	1.0	1.6	1.5	1.3	0.6	0.5	0.7	0.5	0.7	0.8	1.3	1.04	12	1.6
10	1.0	1.0	1.5	2.4	1.4	0.7	0.5	0.8	0.7	0.8	1.0	1.1	1.13	12	2.4
11	1.0	1.6	1.6	1.6	1.5	0.3	0.4	0.6	0.6	0.5	0.3	0.6	0.91	12	1.6
12	0.5	0.6	0.7	0.5	0.8	0.4	0.3	0.5	0.6	0.3	0.3	0.4	0.54	12	0.8
13	0.0	0.4	0.5	0.6	0.3	0.3	0.3	0.4	0.1	0.4	0.9	2.5	0.59	12	2.5
14	2.4	1.5	1.3	1.7	1.4	0.2	0.1	0.9	0.2	0.4	1.3	0.7	1.04	12	2.4
15	0.3	0.3	0.6	0.8	0.7	0.6	0.6	0.6	0.5	0.4	0.8	0.8	0.63	12	0.8
16	0.7	0.6	0.6	0.4	0.5	0.7	0.6	0.8	0.3	0.5	0.2	0.4	0.56	12	0.8
17	0.0	0.4	0.3	0.6	0.3	0.6	0.4	0.6	0.4	0.3	0.5	1.4	0.53	12	1.4
18	1.9	1.1	0.9	0.9	4.7	0.7	0.1	0.2	0.1	0.3	1.0	1.6	1.18	12	4.7
19	0.5	0.5	0.6	0.8	0.7	0.5	0.3	0.3	0.6	0.5	1.0	1.7	0.70	12	1.7
20	0.4	0.9	0.2	0.8	0.4	0.1	0.4	0.2	0.5	0.5	1.5	1.6	0.67	12	1.6
21	1.6	1.4	1.2	1.2	0.4	0.4		0.3	0.0	0.4	0.5	0.4	0.76	11	1.6
22	0.4	0.2	0.4	0.4	0.4	0.3	0.3	0.5	0.1	0.6	0.4	0.5	0.40	12	0.6
23	0.5	0.3	0.2	0.2	0.3	0.5	0.4	0.2	0.1	0.1	0.3	0.4	0.33	12	0.5
24		0.4	0.3	0.6	0.2	0.1	0.1	0.3	0.1	0.3	0.3	0.3	0.31	11	0.6
25	0.5	0.3	0.3	0.7	0.1	0.4	0.5		0.0		0.2	0.4	0.39	10	0.7
26	0.4	0.5	1.0	0.6	0.2	0.4	0.3	0.1	0.2	0.2	0.1	0.5	0.42	12	1.0
27		0.1	0.1	0.2	0.0	0.3	0.5	0.2	0.1	0.1	0.1	0.2	0.23	11	0.5
28	0.3	0.2	0.0	0.5	0.4	0.5	0.3	0.1	0.0	0.3	0.2	0.4	0.31	12	0.5
29	1.2	0.2	0.4	0.3	0.3	0.4	0.2	0.1	0.3	0.3	0.1	0.4	0.40	12	1.2
30	0.3	0.1	0.4	0.3	0.3	0.3	0.1	0.4		0.5	0.4	0.4	0.35	11	0.5
AVG	1.01	0.86	0.99	1.21	0.96	0.48	0.35	0.42	0.31	0.41	0.62	0.95	.71		
N(3)	28	30	30	30	30	30	29	28	29	29	30	30		353	
MAX*	2.5	2.4	2.8	4.3	4.7	1.3	0.6	0.9	0.7	0.8	1.5	2.6	1.66		4.7

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-7

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH — TIME (STARTING HOUR) — CINCINNATI OHIO — JULY/68

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.7	0.7	0.2	0.2	0.5	0.3		0.4	0.6	0.8	0.4	1.0	0.57	11	1.0
02	0.7	0.8	0.9	2.0	1.2	0.4	0.7	0.3	0.5	0.4	0.7	0.6	0.81	12	2.0
03	0.3	0.4	0.3	0.3	0.2			0.3	0.3	0.1	0.2	0.9	0.37	10	0.9
04	1.0	0.9	1.5	1.4	0.7	0.3	0.2	0.3	0.2	0.2	0.5	1.0	0.73	12	1.5
05	0.9	0.8	0.8	1.5	1.0	0.3	0.5	0.1	0.4	0.2	0.5	0.6	0.69	12	1.5
06	1.1	1.0	0.7	0.5	0.2	0.5	0.1	0.5	0.2	0.3	0.4	0.4	0.53	12	1.1
07	0.3	0.3	0.9	0.8	0.3	0.2	0.3	0.1	0.3	0.0	0.7	0.0	0.38	12	0.9
08	0.4	0.7	0.6	0.8	0.5	0.2	0.2	0.2	0.3	0.4	0.1	0.4	0.46	12	0.8
09	0.2	0.8	0.3	0.9	0.5	0.1	0.3	0.0	0.5		0.3	0.6	0.45	11	0.9
10	0.6	0.7	1.3	1.3	1.0	0.4	0.2	0.5	0.9	1.1	0.3	0.6	0.79	12	1.3
11	0.6	0.6	0.5	0.9	0.3	0.5	0.8	0.0	0.4	1.1	1.0	2.1	0.76	12	2.1
12	1.5	1.5	2.2	2.4	1.4	0.5	0.6	0.4	0.1	0.4	0.6	0.4	1.04	12	2.4
13	0.7	0.6	0.8	1.0	0.5	0.4	0.1	0.1	0.6	0.1	0.1		0.51	11	1.0
14	0.1	0.1		0.4	0.3	0.3		0.3		0.2		0.4	0.31	08	0.4
15	0.4		0.7	1.0	0.5	0.9	0.2	0.6	0.4	0.2	0.2	0.6	0.56	11	1.0
16	0.2		0.5	0.7	0.7	0.4	0.2		0.4	0.0	0.2	0.3	0.40	10	0.7
17	0.8	0.6	0.6	0.6	0.3	0.3	0.1	0.5	0.1	0.1	0.4	0.4	0.43	12	0.8
18	0.6	0.5	0.3	0.8	0.7	0.2	0.5	0.6		0.2	0.1	0.5	0.49	11	0.8
19	0.3	0.1	0.3	0.8	0.6	0.5	0.3	0.6	0.5	0.3	0.4	0.6	0.47	12	0.8
20	0.7	0.3	1.0	0.4	0.6	0.1	0.5	0.1	0.4	0.3	0.4		0.46	11	1.0
21	0.3	0.2		0.8	0.6	0.1		0.2	0.2	0.1	0.6	0.7	0.43	10	0.8
22	1.5	0.9	1.0	0.7	0.5	0.1	0.1	0.1	0.2	0.3	0.8	0.3	0.58	12	1.5
23	0.4	0.5	0.3	0.4	0.4	0.2	0.4	0.2	0.1	0.1	0.5	0.3	0.35	12	0.5
24	0.7	0.7	0.6	0.6	0.3	0.5	0.2	0.7	0.5	0.1	0.4	1.0	0.55	12	1.0
25	0.2	0.3	0.1	0.7		0.5	0.3	0.3	0.5	0.7	0.7	0.1	0.45	11	0.7
26	0.6	0.2	0.3	0.4	0.4	0.3	0.2	0.3	0.1	0.3	0.4	0.1	0.34	12	0.6
27	1.4	1.5	1.8	1.0	0.6		0.2	0.1	0.1	0.2	0.4	0.1	0.72	11	1.8
28	0.4		0.3	0.4		0.3	0.2	0.2	0.3	0.1	0.6	0.7	0.39	10	0.7
29	0.5	0.7	1.2	1.5	0.3	0.4	0.4		0.4	0.1	0.1	0.7	0.60	11	1.5
30		0.4	0.4	0.4	0.4	0.5	0.3	0.6	0.3	0.5	0.2	0.7	0.46	11	0.7
31	0.1	0.2	0.4	0.8	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.39	12	0.8
AVG	0.60	0.60	0.71	0.85	0.55	0.34	0.31	0.30	0.34	0.30	0.41	0.56	.48		
N(3)	30	28	29	31	29	29	27	29	29	30	30	29		350	
MAX*	1.5	1.5	2.2	2.4	1.4	0.9	0.8	0.7	0.9	1.1	1.0	2.1	1.04		2.4

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-8

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH — TIME (STARTING HOUR) — CINCINNATI OHIO — AUG/68

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.1	0.3	0.3	0.4	0.6	0.2	0.0	0.2	0.1	0.6	0.9	0.5	0.38	12	0.9
02	0.6	1.5	2.2	0.9	1.4	0.6	0.1	0.4	0.1	0.2	0.5	0.6	0.80	12	2.2
03	1.0	0.8	1.0	1.1	1.1	0.5	0.4	0.3		0.1	0.1	0.1	0.62	11	1.1
04	0.3	0.5		0.3	0.3	0.3	0.0	0.3		0.8	0.2	0.4	0.38	10	0.8
05	0.4	0.6	0.3	1.4	1.4	0.2	0.3	0.4	0.2	0.4	0.9	0.7	0.64	12	1.4
06		0.4	0.6	0.9	0.6	0.2	0.1	0.2	0.2	0.2	0.4	0.6	0.44	11	0.9
07	0.8	0.7	0.4	0.8	0.6	0.1	0.2	0.5	0.4	0.4		0.9	0.58	11	0.9
08	0.5	0.5	0.8	1.3	0.6	0.5	0.4	0.3	0.6	0.3	0.4	0.6	0.62	12	1.3
09	0.5	0.2	0.7	0.6	0.4	0.6	0.4	0.4	0.3	0.3	0.1	0.4	0.45	12	0.7
10	0.4	0.1	0.3	0.8	0.4	0.3	0.6		0.8	0.3	0.5	0.6	0.49	11	0.8
11		0.6	0.3	0.7		0.5		0.2	0.2		0.3	0.2	0.42	08	0.7
12	0.3		0.3	0.4	0.3	0.1	0.5	0.3		0.3	0.2	0.8	0.38	10	0.8
13	1.0	0.8	0.4	0.8	0.7	0.6	0.7	0.3	0.9	0.3	0.6	0.2	0.66	12	1.0
14	0.2	0.3	0.1	0.6	0.5	0.5	0.6	0.9	1.3	0.4	0.5	0.4	0.56	12	1.3
15	0.5	0.6	0.4	0.5	1.0	0.6	0.4	0.7	0.5	0.4	0.3	0.7	0.58	12	1.0
16	0.4	0.2	0.4	0.4	0.3	0.7	0.3	0.1	0.4		0.3	0.3	0.40	11	0.7
17	0.6	0.1	0.3	0.0	0.3	0.5		0.3	0.4	0.3	0.3	0.6	0.37	11	0.6
18	0.8		1.0	0.1		0.2	0.7		0.2		0.1	0.1	0.44	08	1.0
19	0.5	0.5	1.0	0.8	0.5	0.4	0.1	0.4	0.1	0.6	0.5	0.4	0.52	12	1.0
20	0.6	0.4	0.8	0.8	0.5	0.1		0.4		0.3	0.4	1.0	0.58	10	1.0
21	0.7	0.6	0.5	0.9	1.4	1.0		0.8	0.4	0.0	0.6	0.3	0.69	11	1.4
22	0.6	0.9	1.1	1.6	1.3	1.9	1.1	0.5	0.2	0.3	0.8	0.4	0.92	12	1.9
23	0.5	0.5	1.4	1.2	0.9	0.5	1.1	1.1	0.3	0.1	0.2	0.2	0.70	12	1.4
24	0.2	0.8	1.0	0.8	0.6	0.5	0.6	0.5	0.4	0.1	0.5	0.2	0.56	12	1.0
25	0.4	0.3	0.3	0.4	0.1	0.3	0.4	0.3		0.1		0.2	0.33	10	0.4
26	0.3	0.1	0.5	0.3	0.1	0.1		0.5	0.3	0.4	0.2	0.4	0.34	11	0.5
27	0.5	0.7	0.8	0.9	0.5	0.1	0.1	0.1	0.0	0.3	0.8	0.6	0.50	12	0.9
28	0.3	0.9	1.4	1.4	0.7	0.1	0.4	0.2	0.1	0.5	0.4		0.63	11	1.4
29	0.6		0.3	0.2	0.8	0.9	0.7	0.4	0.4	0.3	0.4	0.9	0.57	11	0.9
30	1.1	1.7	1.2	1.8	2.2	1.0	0.6	0.4	0.2	0.2	0.5	0.2	0.98	12	2.2
31	0.3	1.1	1.6	2.0	1.4	0.9	0.6	0.9	0.3	0.5	0.4	1.1	0.97	12	2.0
AVG	0.51	0.59	0.72	0.80	0.74	0.48	0.43	0.42	0.35	0.32	0.42	0.48	.51		
N(3)	29	28	30	31	29	31	26	29	26	28	29	30		346	
MAX*	1.1	1.7	2.2	2.0	2.2	1.9	1.1	1.1	1.3	0.8	0.9	1.1	.98		2.2

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DV)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-9

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CINCINNATI OHIO — SEPT/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.7	0.5	0.4	0.1	0.3	0.5	0.1		0.4	0.3	0.3	0.4	0.41	11	0.7
02	0.6	0.5		0.2		0.2	0.3	0.3	0.1	0.3	0.6	0.6	0.41	10	0.6
03	1.1	1.3	1.4	1.2	1.0	0.5	0.4		0.2	0.2	0.5	0.5	0.81	11	1.4
04	0.5	0.1	0.6	0.5	0.3	0.5	0.3	0.5	0.7	0.6	0.4	0.3	0.46	12	0.7
05	0.3	0.1	0.9	0.4	0.4	0.5	0.4	0.2	0.2	0.2	0.2	0.1	0.37	12	0.9
06	0.2	0.4	0.5	0.9	0.8	0.2	0.1	0.4	0.1	0.1	0.3	0.5	0.41	12	0.9
07	1.0	0.6	1.1	0.9	0.7	1.1	0.5	0.8	0.3	0.3	0.7	1.3	0.82	12	1.3
08	1.1	1.4	1.5	0.6	0.6	0.9	0.5	0.1	0.6	0.3	1.1	1.5	0.88	12	1.5
09	0.5	0.8	1.3	1.2	0.7	0.8	0.7	0.4	0.3	0.4	0.0	0.4	0.65	12	1.3
10	0.4	0.3	0.7	0.7	0.6	0.8	0.3	1.0	0.9	0.1	0.1	0.5	0.54	12	1.0
11	0.6	0.4	0.4	0.7	0.6	0.4	0.5	0.1	0.7	0.3	0.8	0.7	0.55	12	0.8
12	0.3	0.6	0.6	1.8	1.2	0.7	0.4	0.2	0.1	0.6	0.8	0.8	0.72	12	1.8
13	2.0	2.0	2.2	3.1	2.5	1.3	0.9	0.7	0.5	0.4	1.4	1.6	1.59	12	3.1
14	1.8	2.0	2.1	2.8	2.8	0.8	0.4	0.5	0.6	0.4	1.0	1.6	1.39	12	2.8
15	1.8	1.4	1.4	0.9	0.6	0.8	0.6	0.1	0.3	0.6	0.4	0.5	0.83	12	1.8
16	0.6	0.3	0.4	1.2	1.3	0.4	0.3	0.6	0.5	0.1	0.3	0.4	0.58	12	1.3
17	0.5	0.5	1.0	1.3	0.8	0.3	0.5	0.7	0.6	0.7	0.5	0.2	0.65	12	1.3
18	0.3	0.5	0.5	1.0	0.3	0.7	0.5	0.3	0.2		0.5	0.5	0.54	11	1.0
19		0.4	0.2	0.5	0.6	0.4	0.2		0.7	0.4	0.4	0.3	0.44	10	0.7
20	0.5	1.0	0.4	0.5	0.6	0.6	0.6	0.3	0.2	0.2	0.2	0.1	0.48	12	1.0
21	0.8	1.0		1.3	1.3	1.1	1.2	1.5	1.4	0.8	0.3	0.2	1.04	11	1.5
22	0.3	0.8	0.7	1.8	0.9	0.6	0.8	1.1	1.0	0.9	0.1	0.2	0.83	12	1.8
23	0.1	0.6	0.9	0.2	1.8	0.8	0.3	0.3	0.4	0.7	1.7	1.3	0.80	12	1.8
24	1.5	1.2	1.4	1.2	1.0	0.5	0.3	0.4	0.4	0.4	0.3	0.6	0.80	12	1.5
25	0.1	0.4	0.4	0.8	0.9	0.7	0.6	0.3	0.3	0.2	0.6	0.9	0.58	12	0.9
26	0.6	0.9	1.1	2.0	1.8	0.3	0.7	0.5	0.0	0.4	0.8	0.8	0.87	12	2.0
27	1.0	1.6	1.8	1.4	1.6	0.7	0.3	0.8	0.4	0.9	1.5	1.8	1.19	12	1.8
28	1.7	1.7	2.0	2.0	2.2	1.7	1.0	0.6	1.1	0.7	0.5	0.2	1.31	12	2.2
29	0.6	0.4	0.7	0.4	0.8	0.3	0.3	0.4	0.3	0.6	0.9	1.4	0.63	12	1.4
30	1.4	1.3	1.5	2.9	2.8	0.9	0.4	0.2	0.2	0.8	1.3	1.6	1.30	12	2.9
AVG	0.78	0.83	1.00	1.15	1.07	0.66	0.48	0.49	0.44	0.44	0.61	0.72	.72		
N(3)	29	30	28	30	29	30	30	27	30	29	30	30		352	
MAX*	2.0	2.0	2.2	3.1	2.8	1.7	1.2	1.5	1.4	0.9	1.7	1.8	1.59		3.1

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-10

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CINCINNATI OHIO — OCT/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	1.7	1.1	1.1	1.9	1.9	0.3	0.4	0.4	0.7	0.5	1.0	0.6	1.01	12	1.9
02	0.6	0.4	0.2	1.3	0.6	0.2	0.3	0.7	0.3	0.1		0.2	0.48	11	1.3
03	0.4	0.4	0.6	0.5	0.7	0.4	0.1	0.3	0.3	0.5	0.1	0.3	0.42	12	0.7
04	0.5	0.3	0.7	1.0	0.7	0.4		0.5	0.7	0.9	1.1	1.4	0.78	11	1.4
05	1.9	2.5	2.3	2.9	2.7	0.5	0.3	0.2	0.4	0.5	0.8	0.7	1.35	12	2.9
06	0.7	0.5	1.3	0.2	0.7	0.9	0.3	0.8	0.7	0.8	0.8	0.2	0.71	12	1.3
07	0.1	0.3	0.5	1.3	0.9	0.8	1.0	0.9	0.7	0.4	0.5	0.6	0.69	12	1.3
08	0.3	0.2	1.5	0.8	0.5	0.8	0.4	0.6	0.4	0.2	0.5	1.0	0.64	12	1.5
09	2.7	2.5	2.5	2.3	1.7	1.1	0.6	0.6	0.6	0.4	0.8	0.5	1.39	12	2.7
10	0.1		0.6	1.3	1.0	0.4	0.2	0.2	0.5	1.2	1.6	2.1	0.87	11	2.1
11	2.0	2.3	3.3	3.5	1.1	1.1	0.7	0.4	0.7	0.6	0.5	0.9	1.46	12	3.5
12	1.0	1.0	1.5	1.4	1.4	0.4	0.8	0.6	0.2	0.7	0.9	1.4	0.97	12	1.5
13	1.8	1.2	1.5	1.2	1.0	1.0	0.7	0.2	0.2	0.9	1.5	1.7	1.12	12	1.8
14	1.6	1.9	1.7	1.9	1.7	0.8	0.6	0.3	0.4	0.9	1.6	1.4	1.28	12	1.9
15	1.3	1.6	1.3	1.6	1.4	0.7	0.2	0.6	0.4	0.8	0.7	1.7	1.06	12	1.7
16	0.7	0.3	0.6	0.7	0.8	0.7	0.2	0.2	0.4	0.9	1.1	0.6	0.63	12	1.1
17	0.5	0.2	0.7	1.1	0.5	1.0	0.7	0.7	0.5	0.3		0.6	0.65	11	1.1
18	0.2	0.7	0.7	0.8	0.4	0.5	0.7	0.6	0.3	0.5	1.0	1.4	0.71	12	1.4
19	0.9	1.3	1.0	1.2	1.7	0.8	0.5	0.4	0.2	1.1	1.9	1.5	1.07	12	1.9
20	1.5	0.6	0.4	1.0	1.4	0.7	0.4	0.4	0.1	0.9	1.2	1.2	0.86	12	1.5
21	0.9	1.6	2.0	3.7	3.9	1.3	0.5	0.7	0.5	1.5	2.1	1.6	1.73	12	3.9
22	1.8	1.5	1.6	1.9	1.9	0.9	0.2	0.5	0.8	0.7	0.5	0.4	1.10	12	1.9
23	0.5	0.3	0.5	1.0	1.1	0.5	0.3	0.7	0.7	1.1	1.6	2.6	0.94	12	2.6
24	2.4	2.1	3.0	2.9	2.1	1.0	0.6	0.8	0.7	0.8	0.6	0.8	1.53	12	3.0
25		0.3	0.2	0.7	0.9	0.8	0.8	0.7	0.4	0.3	0.5	0.7	0.63	11	0.9
26	0.6	0.7	0.7	1.1	1.4	0.5	0.1	0.4	0.5	1.4	1.2	1.0	0.85	12	1.4
27	0.7	0.6	0.6	0.5	0.4	0.6	0.0	0.4	0.1	0.0			0.44	10	0.7
28						0.3	0.3	1.1	0.5	0.6	0.3	0.3	0.54	07	1.1
29	0.3	0.4	0.4	0.7	1.3	0.4	0.5	0.5	0.6	1.1	1.7	2.1	0.87	12	2.1
30	2.5	2.2	1.9	3.4	3.6	1.7	0.7	0.8	1.0	1.2	1.3	2.5	1.93	12	3.6
31	2.5	2.4	2.6	2.8	2.2	1.2	0.9	0.9	1.9	3.1	2.6	1.1	2.05	12	3.1
AVG	1.12	1.08	1.25	1.55	1.39	0.73	0.46	0.55	0.52	0.80	1.07	1.10	.94		
N(3)	29	29	30	30	30	31	30	31	31	31	28	30		360	
MAX*	2.7	2.5	3.3	3.7	3.9	1.7	1.0	1.1	1.9	3.1	2.6	2.6	2.05		3.9

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-11

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CINCINNATI OHIO

NOV/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.9	0.5	0.6	0.9	1.5	1.0	0.8	0.6	0.5	0.6	0.6	0.4	0.81	12	1.5
02	0.6	0.3	0.2	0.7	0.5	0.6	0.1	0.6	0.9	1.0	1.7	0.8	0.71	12	1.7
03	0.7	0.7	0.7	0.7	0.3	0.7	0.4	0.4	0.4	0.8	0.5	0.7	0.63	12	0.8
04	0.5	0.8	0.7	1.7	1.8	1.3	1.0	1.1	1.2	1.4	1.5	1.7	1.27	12	1.8
05	1.6	2.3	2.1	2.0	2.4	2.2	1.4	2.2	1.6	1.8	1.7	1.9	1.97	12	2.4
06	1.7	1.3	1.6	1.4	2.3	2.2	1.1	1.7	1.8	1.5	1.8	1.2	1.68	12	2.3
07	1.7	1.1	1.2	1.7	1.5	1.0	0.5	0.8	0.5	0.3	1.0	0.5	1.02	12	1.7
08	0.4	0.0	0.5	0.8	1.0	0.7	0.1	0.6	1.1	0.5	0.9	0.6	0.65	12	1.1
09	0.3	0.3	0.5	0.5	1.1	0.4	0.6	0.4	0.5	0.5	0.7	0.8	0.57	12	1.1
10	0.4	0.9	0.6	0.4	0.9	0.5	0.2	0.5	0.4	1.2	1.7	2.1	0.85	12	2.1
11	1.3	1.0	1.3	1.1	1.7	1.2	1.3	0.8	1.1	0.8	0.6	0.4	1.08	12	1.7
12	0.6	0.8	0.8	0.8	0.9	0.8	0.8	0.6	0.7	0.8	0.5	0.8	0.79	12	0.9
13	0.5	0.4	0.6	1.3	1.5	0.5	0.5	0.9	0.6	1.8	1.8	1.3	1.01	12	1.8
14	1.2	1.0	0.9	1.3	1.8	1.1	0.6	1.4	1.5	1.3	1.2	0.7	1.20	12	1.8
15	0.4	0.7	0.2	0.5	0.9	0.6	0.9	1.1	0.8	1.5	1.4	1.1	0.87	12	1.5
16	0.6	0.1	0.3	1.6	0.7	0.3	0.9	0.3	0.5	0.3	0.4	0.5	0.60	12	1.6
17	0.4	0.1	0.6	0.3	0.6	0.7	0.6	0.7	0.2	0.5	0.7	0.5	0.53	12	0.7
18	0.3	0.1	0.2	0.1	0.9										
19															
20															
21															
22															
23															
24															
25						0.8	0.9	0.7	1.0	2.0	2.3	1.2	1.32	07	2.3
26	1.4	1.1	0.6	1.4	1.3	0.8	0.8	0.6	0.7	0.2	1.0	0.3	0.90	12	1.4
27	0.1	0.4	0.5	0.7	1.4	1.3	0.9	0.8	0.9	1.4	0.6	0.6	0.86	12	1.6
28	0.4	0.7	0.7	0.3	0.4	0.8	0.5	0.5	0.2		0.1	0.3	0.49	11	0.8
29	0.1	0.1	0.2	0.3	1.1	0.7	0.3	0.7	0.5	0.6	0.4	0.4	0.49	12	1.1
30	0.4	0.5	0.2	1.0	1.9	0.7	0.5	0.3	0.1	0.4	0.3	0.6	0.61	12	1.9
AVG	0.71	0.66	0.47	0.93	1.22	0.90	0.68	0.79	0.76	0.96	1.01	0.84	.86		
N(3)	23	29	23	29	23	23	23	23	23	22	23	23		270	
MAX#	1.7	2.3	2.1	2.0	2.4	2.2	1.4	2.2	1.8	2.0	2.3	2.1	1.97		2.4

(1) N=NUMRER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
\# MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-12

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH — TIME (STARTING HOUR) — CINCINNATI OHIO — DEC/68

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.5	0.1	0.5	0.1	0.6	0.2	0.8	0.8	1.0	1.3	0.6	0.4	0.62	12	1.3
02	0.1	0.2	0.4	1.3	0.8	1.0	0.8	0.8	0.9	1.4	1.0	1.3	0.87	12	1.4
03	2.0	0.9	0.9	1.3	1.9	1.6	1.1	1.3	1.5	1.2	0.6	1.1	1.33	12	2.0
04	0.5	0.4	0.4	0.6	0.6	0.5	0.2	0.2	0.6	1.0	0.4	0.7	0.56	12	1.0
05	0.9	0.1	0.5	0.4	0.4	0.5	0.3	0.5	0.0	0.1	0.3	0.4	0.43	12	0.9
06	0.2	0.1	0.6	0.3	0.5	0.9	0.4	0.6	0.7	1.3	1.6	0.9	0.72	12	1.6
07	0.9	0.7	0.5	0.5	0.4	0.6	0.2	0.8	0.5	0.3	0.4	0.6	0.57	12	0.9
08	0.5			0.4	0.2	0.9	0.5	0.6	0.6	0.5	0.8	0.6	0.61	10	0.9
09	1.0		0.9	1.6	1.4	1.6	0.7	0.4	0.8	0.6	0.9	0.3	0.97	11	1.6
10	0.1	0.2	0.1	0.7	0.4	1.1	0.8	0.9	0.3	0.7	0.9	1.0	0.63	12	1.1
11	0.8	0.8	1.1	1.6	1.7	1.5	1.5	1.4	1.7	1.3	0.6	0.8	1.28	12	1.7
12	0.7	0.4	0.3	1.0	1.2	0.8	1.2	0.9	1.0	0.6	0.5	0.6	0.81	12	1.2
13	0.3	0.6	0.2	0.4	0.9	0.4	0.8	0.6	1.1	0.3	0.1	0.5	0.57	12	1.1
14	0.1	0.2	0.2		0.3	0.7	0.6	0.7	0.4	0.3	0.2	0.3	0.41	11	0.7
15	0.9	0.6	0.5	0.3	0.5	0.4	0.2	0.4	0.4	0.4	0.8	0.9	0.56	12	0.9
16	0.8	1.4	0.6	1.6	2.5	1.0	0.9	1.2	1.0	1.8	3.0	2.6	1.58	12	3.0
17	1.7	2.5	2.6	3.2	4.1	2.8	1.2	0.9	1.8	1.5	1.3	0.9	2.09	12	4.1
18	0.9	1.3	1.2	1.5	1.7	1.5	1.5	1.5	1.3	1.1	1.6	1.3	1.41	12	1.7
19	1.4	0.8	0.8	1.2	1.1	0.7	0.8	0.7	0.7		0.4	0.5	0.85	11	1.4
20	0.4	0.2	0.1	0.5	0.8	0.6	0.5	0.6	0.5	0.7	0.6	0.4	0.54	12	0.8
21	1.0	0.4	0.4	0.7	0.3	0.3	0.5	0.5	0.4	0.3	0.3	0.2	0.48	12	1.0
22	0.4	0.4	0.2	0.5	0.5	0.6	1.1	0.8	0.9	0.5	0.3	0.2	0.59	12	1.1
23	0.2	0.5	0.6	0.1	0.5	0.6	0.6	0.5	0.9	0.8	0.8	0.4	0.59	12	0.9
24	0.2	0.3	0.3	0.3	0.6	0.5	0.8	0.5	0.9	0.6	0.3	0.6	0.53	12	0.9
25	0.6	0.6	0.6	0.6	0.5	0.8	0.0	0.6	0.5	1.0	0.9	0.9	0.67	12	1.0
26		0.3	0.6	0.7	0.3	0.6	1.2	1.0	1.6	1.3	1.0	1.1	0.93	11	1.6
27	1.4	1.0	0.5	0.8	1.4	0.9	1.2	0.9	0.9	0.5	0.6	0.6	0.93	12	1.4
28	0.9	0.3	0.3	0.1	0.3	0.8	0.7	0.3	0.6	0.4	0.2	0.3	0.48	12	0.9
29	0.3		0.3	0.0	0.4	0.2	0.3	0.5	0.5	0.4	0.7	0.6	0.42	11	0.7
30	0.1	0.9	0.7	1.6	0.3	1.1	0.9	0.6	0.9	1.0	0.8	1.3	0.90	12	1.6
31	0.5	0.6	0.5		0.6	0.6	0.3	0.5	0.3	0.4	0.7	0.3	0.52	11	0.7
AVG	0.67	0.60	0.58	0.82	0.90	0.84	0.72	0.72	0.81	0.78	0.74	0.72	.74		
N(3)	30	28	30	29	31	31	31	31	31	30	31	31		364	
MAX*	2.0	2.5	2.6	3.2	4.1	2.8	1.5	1.5	1.8	1.8	3.0	2.6	2.09		4.1

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE